



**REPORT**

# 2021 Annual Groundwater Monitoring & Corrective Action Report

*Georgia Power Company - Plant Scherer Cell 1 and PAC Ash Cell  
Permit No. 102.009D(LI)*

Submitted to:



**Georgia Power Company**

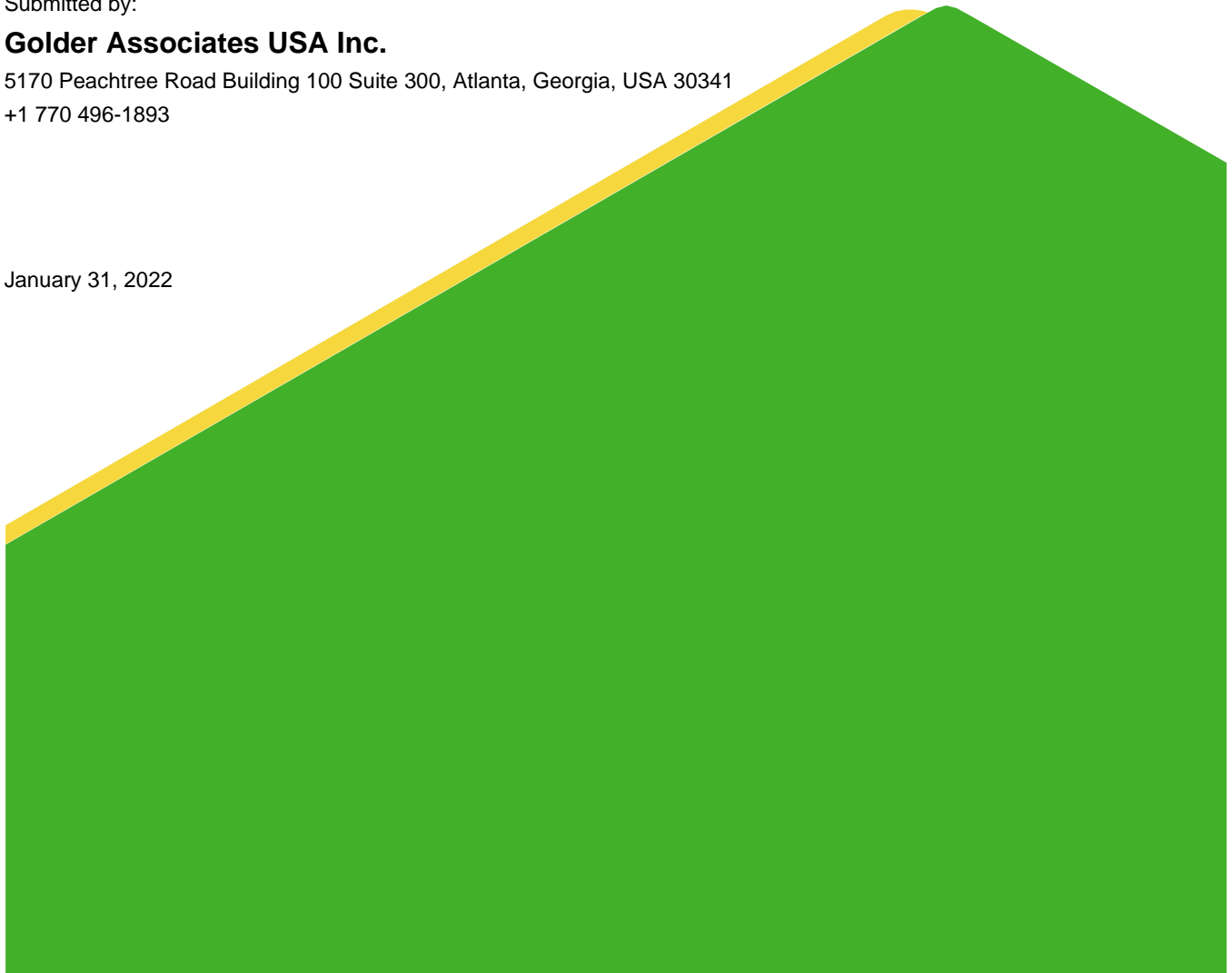
214 Ralph McGill Boulevard, NE, Atlanta, Georgia 30308

Submitted by:

**Golder Associates USA Inc.**

5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341  
+1 770 496-1893

January 31, 2022



## Summary

This 2021 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company - Plant Scherer Cell 1 and Powdered Activated Carbon (PAC) Ash Cell (Cell 1 and PAC Ash, the Site), Juliette, Monroe County, Georgia (GA), provides the status of groundwater monitoring and corrective program from January 1 through December 31, 2021. Groundwater monitoring and reporting for Cell 1 and PAC Ash Cell 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 Title 40 Part 257 (40 CFR Part 257, Subpart D) dated April 17, 2015, and revised July 2018, 40 CFR § 257.90 through § 257.98. As required in 40 CFR § 257.90(e), this Annual Report describes the status of the groundwater monitoring program, summarizes key actions completed, and presents projected key activities for the upcoming year for Cell 1 and PAC Ash Cell. Other CCR units (AP-1) on site at Plant Scherer 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.

Groundwater at the Site is monitored with a comprehensive well network system comprised of upgradient and downgradient wells for each CCR Unit that meet federal and state monitoring requirements. Routine sampling and reporting for Cell 1 and PAC Ash began in 2010 when the landfill was originally permitted. Monitoring for CCR Appendix III constituents commenced after background groundwater conditions were established between 2016 and 2018.



**Plant Scherer**

Groundwater monitoring events for Cell 1 and PAC Ash Cell were conducted in April and August 2021 and resampling of select wells were performed in June and October. Groundwater elevation measurements were recorded at the monitoring wells prior to each sampling event to confirm groundwater flow direction, and to confirm that the groundwater monitoring well network for the CCR units remains sufficient to monitor groundwater downgradient of the unit. Groundwater samples were collected and analyzed for Appendix III CCR constituents from each of the monitoring wells.



Analytical data from the April/June and August/October 2021 monitoring events have been statistically analyzed in accordance with the site's certified statistical analysis method. Results from both the April/June and August/October 2021 semi-annual monitoring events, indicate statistically significant increases (SSIs) above the statistical limits for Appendix III CCR parameters as summarized below.

<b>Cell 1</b>		
<b>Appendix III Constituent</b>	<b>April/June 2021</b>	<b>August/October 2021</b>
Calcium	GWC-8A	GWC-19
Nickel	No SSIs were Identified	GWC-2
pH	GWC-2	No SSIs were identified
Zinc	GWC-2	No SSIs were identified
<b>PAC Ash Cell</b>		
<b>Appendix III Constituent</b>	<b>April 2021</b>	<b>August 2021</b>
No SSIs were identified		

The site remains in detection monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to EPD semi-annually. The next semiannual monitoring event is tentatively scheduled for February 2022.

## Table of Contents

<b>1.0 INTRODUCTION</b>	<b>7</b>
1.1 Site Description & Background	7
1.2 Regional & Site Geology & Hydrogeologic Setting	7
1.3 Groundwater Monitoring Well Network	8
1.4 Surface Water Monitoring	8
1.5 Effluent Monitoring	9
<b>2.0 GROUNDWATER MONITORING ACTIVITIES</b>	<b>9</b>
2.1 Monitoring Well Installation and Maintenance	9
2.2 Detection Monitoring	9
<b>3.0 SAMPLE METHODOLOGY &amp; ANALYSIS</b>	<b>10</b>
3.1 Groundwater Level Measurements	10
3.2 Groundwater Gradient and Flow Velocity	10
3.3 Groundwater Sampling	10
3.4 Surface Water Sampling	11
3.5 Effluent Sampling	11
3.6 Laboratory Analyses	11
3.7 Quality Assurance and Quality Control	12
<b>4.0 STATISTICAL ANALYSES</b>	<b>12</b>
4.1 Statistical Methods	12
4.2 Statistical Analysis Results	13
4.2.1 April/June 2021 Statistical Analysis Results	13
<b>5.0 ALTERNATE SOURCE DEMONSTRATIONS</b>	<b>14</b>
<b>6.0 MONITORING PROGRAM STATUS</b>	<b>15</b>
<b>7.0 CONCLUSIONS</b>	<b>15</b>
<b>8.0 REFERENCES</b>	<b>16</b>

## Tables

- Table 1: Summary of Monitoring Well Construction Data
- Table 2: Groundwater Sampling Event Summary
- Table 3: Summary of Groundwater Elevations
- Table 4A: Horizontal Groundwater Velocity Calculations – March 2021
- Table 4B: Horizontal Groundwater Velocity Calculations – August 2021
- Table 5A: Analytical Data Summary Cell 1 – April 2021
- Table 5B: Analytical Data Summary PAC Ash Cell – April 2021
- Table 5C: Analytical Data Summary Surface Water – April 2021
- Table 5D: Analytical Data Summary Cell 1 – August 2021
- Table 5E: Analytical Data Summary PAC Ash Cell – August 2021
- Table 5F: Analytical Data Summary Surface Water – August 2021

## Figures

- Figure 1: Site Location Map
- Figure 2: Site Plan and Detection Monitoring Well Location Map
- Figure 3A: Potentiometric Surface Map - PAC Ash - March 29, 2021
- Figure 3B: Potentiometric Surface map - Cell 1 - March 29, 2021
- Figure 3C: Potentiometric Surface Map - PAC Ash – August 16, 2021
- Figure 3D: Potentiometric Surface map - Cell 1 – August 16, 2021

## Appendices

- Appendix A: Field Data Forms and Instrument Calibration Forms
- Appendix B: Laboratory Analytical Data, Laboratory Accreditation, and Data Validation Summaries
- Appendix C: Well Maintenance and Repair Documentation Memorandum and Well Condition Assessment Forms
- Appendix D: Statistical Analyses
- Appendix E: Alternate Source Demonstration

## Certification Statement

This 2021 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company - Plant Scherer Coal Combustion By-Product Private Industry Solid Waste Disposal Facility Cell 1 & PAC Ash Cell 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.

Golder Associates certifies that all site constituents were below the applicable Georgia maximum contaminant levels.

### Golder Associates USA Inc.



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

I hereby certify that this 2021 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company Plant Scherer Coal Combustion By-Product Private Industry Solid Waste Disposal Facility (Plant Scherer Landfill) located at 10986 Georgia 87, Juliette, Georgia 31046, has been prepared to meet the requirements of 40 CFR §257.90(e).



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

Golder and the G logo are trademarks of Golder Associates Corporation

## 1.0 INTRODUCTION

This 2021 Annual Groundwater Monitoring and Corrective Action report has been prepared by Golder Associates USA Inc. (Golder) to present results of both semi-annual monitoring events conducted in April and August 2021 for Georgia Power's Plant Scherer Cell 1 and Powdered Activated Carbon (PAC) Ash Cell (the Site). Monitoring and reporting for Plant Scherer is performed in accordance with the monitoring program requirements of the Georgia (GA) Department of Natural Resources Environmental Protection Division (EPD) Chapter 391-3-4.10 Solid Waste Management; Solid Waste Permit 102-009D(LI); and, the Groundwater Monitoring Plan Narrative of the Design & Operations (D&O) Plan for Plant Scherer Coal Combustion By-Product CCB Disposal Facility, submitted by Southern Company Generation Engineering and Construction Services February 26, 2010. The D&O Plan includes a minor modification for coal combustion residuals (CCR) disposal in all cells approved by EPD November 20, 2017, and a minor modification to include Appendix III and IV parameters contained in 40 CFR 257, Subpart D approved by EPD August 9, 2017.

### 1.1 Site Description & Background

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. The 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.

The Plant Scherer Landfill consists of a two active cells, namely, Cell 1 and PAC Ash Cell, and future Cells 2 and 3. The two active cells have been utilized since 2011 for the disposal of CCR. The total disposal area occupies approximately 325 acres along the northern portion of the property. Figure 2 depicts the general configuration of the landfill units and site monitoring wells.

The site 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 towards Lake Juliette and east toward the Ocmulgee River (Figure 1). The landfill is situated east/southeast of the ash pond which is in a topographically high area on the property. The landfill cells have a geosynthetic clay liner and a geomembrane, and a leachate collection and removal system in place.

### 1.2 Regional & Site Geology & Hydrogeologic Setting

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

Plant Scherer is located within the center of the East Juliette, GA United States Geological Survey (USGS) 7.5-minute topographic quadrangle. The Piedmont/Blue Ridge geologic province contains some of the oldest rocks in the Southeastern United States. Since their origin, approximately 276 to 1100 million years ago (Ma), these late Precambrian (Neoproterozoic) to late Paleozoic (Permian) rocks have undergone repeated cycles of igneous intrusions and extrusions, metamorphism, folding, faulting, shearing, and silicification. The latest regional metamorphism and associated deformation has been attributed to the collision of the North America plate with the Eurasian plate approximately 200 to 230 Ma. Later deformation and emplacement of mafic dikes is associated with the rifting of the North American craton during the Mesozoic and Cenozoic Eras.

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

The uppermost groundwater aquifer is within the overburden at the site. Boring logs and monitoring/piezometer installation logs were used to evaluate hydrostratigraphy of the site. Material types identified included residual soils, saprolitic soils, saprolitic rock [or partially weathered rock (PWR) if blow counts were provided], transitionally weathered rock, and competent bedrock. Residual soils, primarily sandy silt, silty sand, sandy clay and silty clay, occur as a variably thick blanket overlying bedrock across most of the site. The thickness of the soil encountered in the borings is variable, ranging from little to no soil where outcrop is encountered at the surface, to as much as 168 feet. Thickness of saprolitic soils and/or saprolitic rock range in thickness across the site. The saturated thickness of the overburden material ranges from 2 to over 40 feet. Based on review of the logs, the screen/filter pack interval for most of the piezometers and monitoring wells installed on site provides connection to the overburden, indicating that the site is underlain by a regional groundwater aquifer that occurs within the overburden.

Field hydraulic conductivity tests (i.e., slug tests) performed in a variety of geologic materials onsite indicate an average horizontal hydraulic conductivity on the order of  $10^{-4}$  centimeters per second (cm/s) with an average of 2.36 feet/day (ft/day); median 1.31 ft/day. This hydraulic conductivity is generally consistent with regional measurements within Piedmont overburden (Heath, 1982). In general, groundwater flow is potentially faster through the transitionally weathered zone; however, the magnitude of difference is nominal enough to not be considered relevant at this site.

### 1.3 Groundwater Monitoring Well Network

A groundwater monitoring network for the units monitors the groundwater passing the waste boundary of Cell 1 and PAC Ash Cell within the uppermost aquifer. There are 20 monitoring wells at Cell 1 and 12 monitoring wells at the PAC Ash Cell. Wells are located to serve as upgradient, and downgradient wells based on groundwater flow direction as determined by the potentiometric surface elevation contour maps. Table 1 presents the pertinent well construction details for the active landfill cells at Plant Scherer.

### 1.4 Surface Water Monitoring

Small tributaries traverse the site to the Ocmulgee River, which is located approximately 3,000 feet east of the facility site boundary. Nine locations as shown on Figure 2 are sampled semi-annually to determine the surface water quality of the small tributaries traversing the site.

The minor modification to the permit in 2017 includes the addition of the Appendix III/IV monitoring constituents to the groundwater monitoring well network as applicable. Additionally, GPC has voluntarily included these constituents to the surface water monitoring program. While in detection monitoring, Appendix III constituents will be included in semi-annual monitoring events at Cell 1 and PAC Ash Cell.

## 1.5 Effluent Monitoring

Effluent monitoring is performed semi-annually. Effluent samples were collected in April and August 2021 from the point of discharge of the flue gas desulfurization (FGD) waste stream. The FGD sample is analyzed for permit-specified semi-annual monitoring parameters.

## 2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed during the first and second semi-annual monitoring periods in 2021. During the first semi-annual monitoring period, Golder collected groundwater, surface water and effluent samples between April 1 and April 6, 2021. Monitoring wells GWC-6, GWC-8A, GWC-19, GWC-20, GWC-21, GWA-46, GWA-47, GWA-48, GWC-51 and GWC-52 were resampled on June 1-2, 2021 due to lost coolers during shipping. During the second semi-annual monitoring period, Golder collected groundwater, surface water and effluent samples between August 11-18, 2021. Monitoring well GWC-19 was resampled on October 7 and wells GWC-1 and GWC-10, were resampled on October 18, 2021. Table 2 presents a summary of the number of groundwater sampling events completed for Cell 1 and PAC Ash Cell and the status of the monitoring well network for each unit.

Environmental monitoring field data sheets are included in Appendix A. Field data and sampling notes for each monitoring well are recorded on the field information forms, which contain a description of the sampling equipment, calibration logs, sampling method, purge rate, field observations, and depth to water measurements at each monitoring location. Groundwater analytical data, chain of custody records, and data validation summaries are presented in Appendix B.

### 2.1 Monitoring Well Installation and Maintenance

There was no change to the groundwater monitoring system in 2021; the network remained the same as in the 2020 (previous) reporting year. Monitoring well-related activities included a visual inspection of well conditions prior to sampling, recording the site conditions, and performing exterior maintenance to provide safe access for sampling. Minor maintenance activities included re-installation of a protective cover, concrete pad and protective bollards at GWC-3 and repairing a bent protective bollard at GWC-6.

Monitoring wells are inspected semi-annually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In February and August 2021, monitoring wells were inspected and documented on well condition summary forms included in Appendix C. Necessary corrective actions were identified and subsequently completed in October 2021 and January 22, as documented in the Well Maintenance and Repair Documentation Memorandum, included in Appendix C. This documentation will serve as the required five year well inspection and was performed under the direction of a professional geologist or engineer registered in the State of Georgia.

### 2.2 Detection Monitoring

A detection monitoring well network has been established for each Cell 1 and PAC Ash Cell at Plant Scherer. Detection monitoring is performed on a semi-annual basis in accordance with the approved GA EPD Solid Waste Permit No. 102-009S(LI) and the site's D&O Plan. Groundwater samples from wells in the detection monitoring system were analyzed for the permit-specified semi-annual monitoring parameters as well as Appendix III monitoring parameters per 40 CFR Parts 257 and 261. Additionally, samples were collected from surface water sampling locations and from the site effluent during each event.

### 3.0 SAMPLE METHODOLOGY & ANALYSIS

The following sections describe methods used to conduct groundwater monitoring at Cell 1 and PAC Ash Cell.

#### 3.1 Groundwater Level Measurements

Prior to sampling, Golder recorded groundwater elevations from each well and piezometer on March 29, and on August 16, 2021. Groundwater elevation data are summarized on Table 3. The recorded water level data were used to develop potentiometric surface elevation contours and are presented on Figures 3A through 3D. Review of Figures 3A through 3D shows that groundwater generally flows south-southeast across Cell 1 and PAC Ash units, which 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 slug test data at the site, an average hydraulic conductivity value of 2.36 feet per day (ft/day) is used in the flow calculations. Additional details are provided in the *Plant Scherer Proposed Coal Combustion By-Product Disposal Facility Site Acceptability Report* (2007). The hydraulic gradients were calculated between well pairs as shown on Table 4A and 4B. An effective porosity of 0.20 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:

Where:

$$\begin{aligned} V &= \text{Groundwater flow velocity } \left( \frac{\text{feet}}{\text{day}} \right) \\ K &= \text{Average Hydraulic Conductivity of the aquifer } \left( \frac{\text{feet}}{\text{day}} \right) \\ i &= \text{Horizontal hydraulic gradient } \left( \frac{\text{feet}}{\text{feet}} \right) \\ n_e &= \text{Effective porosity} \end{aligned}$$

Using this equation and groundwater elevation collected in March and August sampling events, horizontal groundwater velocities are calculated for various areas of the site and shown on Tables 4A, and 4B.

As presented on Tables 4A and 4B, groundwater flow velocity at the site ranges from approximately 0.23 to 0.52 ft/day (approximately 83 to 191 ft/year) across Cell 1 and PAC Ash Cell. These calculated groundwater velocities across the site are generally consistent with historical calculations and with expected velocities in the regolith-upper bedrock aquifers of GA Piedmont, therefore, confirming the groundwater monitoring network as properly located to monitor the uppermost aquifer for the landfills at Plant Scherer.

#### 3.3 Groundwater Sampling

Groundwater samples were collected from site detection monitoring wells during April and August 2021. A Follow-up sampling event was conducted in June 2021 at select monitoring wells because samples were lost during transit to the laboratory. Resampling was conducted in October 2021 to confirm original concentrations detected outside of historical ranges. Results for each well and surface water location are summarized on Tables 5A through 5F.



Monitoring wells were purged and sampled using low-flow sampling procedures. Non-dedicated, low-flow pneumatic bladder pumps were used to purge and sample the wells. During the purging of each well, field measurements of temperature, specific conductance, dissolved oxygen (DO), pH, and oxidation-reduction potential (ORP) were recorded using a SmarTroll© (In-Situ® field instrument) or an Aqua TROLL 400 along with a separate turbidity meter to verify stabilization. Groundwater samples were collected when the following general stabilization criteria were met:

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

Any deviation from stabilization criteria, if applicable, is identified on field sampling forms. Following well stabilization, unfiltered samples were collected directly into appropriately preserved laboratory supplied sample containers, placed in iced coolers, and submitted to the laboratory following standard chain-of-custody protocol. Combined with the Low-Flow Test Reports, additional field data sheets (Low-Flow System” summaries) as well as chain-of-custody records and instrument calibration logs are included in Appendix A.

### 3.4 Surface Water Sampling

During the 2021 sampling events, surface water locations SWA-1 through SWA-3 and SWC-4 through SWC-9 were sampled, with the exception of, SWC-5 in April and SWA-1 in October. Surface water locations SWC-5 and SWA-1 were dry at the time of sampling and therefore, no samples were collected. Surface water samples were analyzed for target parameters, as indicated in the D&O Plan. The results of the April and October 2021 surface water sampling are provided in Tables 5C and 5F. As specified in the August 2017 permit modification, surface waters were also analyzed for Appendix III parameters.

Review of Tables 5C and 5F and a comparison of upstream to downstream results indicates no significant changes in surface water chemistry downstream of the landfill. Thus, there is no evidence of landfill impacts to surface water at the site.

### 3.5 Effluent Sampling

During each of the 2021 sampling events, one effluent sample was collected from the point of discharge of the FGD waste stream within Cell 1 of the disposal facility. The FGD effluent samples were analyzed for permit-specified semi-annual monitoring parameters. Results of the FGD effluent samples collected on April 6, and October 17, 2021 are provided in Appendix B.

### 3.6 Laboratory Analyses

Cell 1 and PAC Ash Cell monitoring wells were sampled and analyzed for applicable state and federal monitoring parameters pursuant to the 2010 D&O Plan and 2017 minor modification (Appendix III). Analytical methods used for groundwater monitoring parameters are provided in laboratory reports in Appendix B.

Laboratory analyses were performed by Eurofins TestAmerica Laboratory (TAL) located in Pittsburgh, Pennsylvania, which is accredited by National Environmental Laboratory Accreditation Program (NELAP) and

maintain a NELAP certification for all parameters analyzed for this project. In addition, TAL laboratories are certified by the State of Georgia to perform analyses. Groundwater data and chain of custody records for the monitoring events are presented in Appendix B.

### 3.7 Quality Assurance and Quality Control

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

Groundwater quality data in this report were independently validated in accordance with US EPA Region IV Data Validation Standard Operating Procedures (US EPA, 2011), National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries, 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 groundwater monitoring data was performed on samples collected from the groundwater monitoring network following the appropriate certified statistical methodology following each sampling event.

### 4.1 Statistical Methods

The selected statistical method for Cell 1 and PAC Ash Cell was developed 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 Groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package, that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the US EPA Unified Guidance (2009) document.

Groundwater quality data for Cell 1 landfill were evaluated using a combination of interwell and intrawell prediction limits for required parameters. Using intrawell methods utilize historical data from within a given well to establish a statistical limit for comparison of compliance data. As a result, each parameter will have a different statistical limit for each well. Data from the April/June and August/October 2021 detection monitoring events are compared to the calculated statistical limits (utilizing historical data through September 2020) to determine whether any concentrations exceed background levels. Interwell statistical analyses pools upgradient data to calculate a prediction limit for which downgradient data is compared. The selected statistical method(s) uses an optional 1-of-2 verification resample plan. When an initial statistically significant increase (SSI) or questionable result occurs,

a second sample may be collected to verify the initial result or determine if the result was an outlier. If the initial finding was not verified by resampling, the resampled value replaced the initial finding. When the re-sample confirms the initial finding, both values remain in the database and an SSI is declared.

Intrawell prediction limits are constructed from historical data within a given well, and the most recent sample is compared to background. Intrawell statistical methods are a conservative first step that may be overly sensitive to natural variation, particularly for nonparametric limits with small background sample sizes. Therefore, for instances where an apparent SSI is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine if the initial exceedance is below sitewide background. A minor modification for the incorporation of the two-step statistical analysis was approved by GA EPD on April 19, 2021.

## 4.2 Statistical Analysis Results

The calculated prediction limits are included in Appendix D. The statistical analysis (Sanitas) results presented in Appendix D are summarized in the next section.

Following the statistical methods described above, including the 2-step analyses for April/June and August/October 2021, the statistical results for 2021 monitoring events are summarized below.

### 4.2.1 April/June 2021 Statistical Analysis Results

Following the statistical methods described above, including the 2-step analyses, the following table presents the SSIs noted following the April/June 2021 monitoring event.

#### April 2021 Statistically Significant Increase Summary

Well	Parameter	Concentration (mg/L) April/June 2021	Upper Prediction Limit (mg/L)
<b>Cell 1</b>			
GWC-2	Zinc	0.01	0.005
GWC-8A	Calcium	52	45.47
GWC-2	pH	7.32	6.35-7.00
<b>PAC Ash Cell – No Exceedances</b>			

Concentrations of Appendix I and Appendix III constituents are below respective prediction limits for each of the Cell 1 and PAC Ash monitoring wells with the exceptions noted above. Apparent statistical exceedances for calcium, pH, and zinc are noted for select monitoring wells at Cell 1. No statistical exceedances were identified in PAC Ash monitoring wells.

### 4.2.2 August/October 2021 Statistical Analysis Results

Following the statistical methods described above, including the 2-step analyses, the following table presents the SSIs noted following the August/October 2021 monitoring event.

**August/October 2021 Statistically Significant Increase Summary**

Well	Parameter	Concentration (August/October 2021) mg/L	Upper Prediction Limit mg/L
<b>Cell 1</b>			
GWC-2	Nickel	0.0028	0.0023
GWC-19	Calcium	17	15.99
<b>Pac Ash Cell – No Exceedances</b>			

Concentrations of Appendix III constituents and target metals are below respective prediction limits for each of the Cell 1 and PAC Ash monitoring wells with the exception of nickel at monitoring well GWC-2 and calcium in monitoring well GWC-19 at Cell 1.

**5.0 ALTERNATE SOURCE DEMONSTRATIONS**

Based on results of the *2020 Annual Groundwater & Corrective Action Monitoring Report* (Golder, 2021a) SSIs of select Appendix I and Appendix III monitoring constituents were identified above background concentrations. In accordance with GA EPD Solid Waste Management Rule and §257.94(e)(2), a report, *Alternate Source Demonstration, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 120.009D(LI), 2020 Second Semi-Annual Monitoring Event*, dated April 23, 2021, was prepared and placed in the operating record to address each of the identified SSIs (Golder, 2021b). A copy of this Alternate Source Demonstration (ASD) is included in Appendix E.

Similarly, based on results of the *2021 Semi-Annual Groundwater & Corrective Action Monitoring Report* (Golder, 2021c) SSIs of select Appendix III monitoring constituents were identified above background concentrations. In accordance with GA EPD Solid Waste Management Rule and §257.94(e)(2), a report, *Alternate Source Demonstration, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 120.009D(LI), 2020 Second Semi-Annual Monitoring Event*, dated November 19, 2021, was prepared and placed in the operating record to address each of the identified SSIs (Golder, 2021d). A copy of this ASD is included in Appendix E.

In lieu of immediate verification resampling for the SSIs of nickel reported at GWC-2 and calcium reported at well GWC-19 downgradient of Cell 1, these SSIs will be addressed in a forthcoming ASD following the options of 40 CFR § 257.95 and 391-3-4-.10(6). The ASD will address the statistical exceedance above the prediction limit identified following the August 2021 sampling event. The ASD is in progress and will be submitted under a separate cover in accordance with the schedule provided by the rule.

**PREVIOUS SITE SOURCE DEMONSTRATIONS**

Alternate source demonstrations (ASDs) have been previously prepared to address prior statistically significant increase(s) over background for Appendix I and Appendix III constituents at the site. These ASDs were previously submitted to GA EPD under separate report covers. Based on EPD guidance, these ASDs no longer require concurrence because they have not been detected above background for two consecutive events, which supports the previous ASD documenting natural variability. The SSIs that have been identified within the past 12 months (2 previous sampling events) and have been addressed by ASDs are listed below.

Alternate Source Demonstration	Constituent	Well	Status of Approval by GA EPD
<i>Alternate Source Demonstration, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI), 2020 Second Semi-Annual Monitoring Event, April 23, 2021</i>	Calcium	GWC-8A, GWC-19	Pending GA EPD Approval
	Chloride	GWC-8A	
	TDS	GWC-8A	
	Zinc	GWC-11	
<i>Alternate Source Demonstration, Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI), 2021 First Semi-Annual Monitoring Event, November 19, 2021.</i>	Calcium	GWC-8A	Pending GA EPD Approval
	pH	GWC-2	
	Zinc	GWC-2	

## 6.0 MONITORING PROGRAM STATUS

Plant Scherer Cell 1 and PAC Ash Cell remains in detection monitoring. Table 2 presents the status of each well within the certified monitoring network for Cell 1 and PAC Ash Cell, respectively. SSIs of calcium, pH and zinc identified during the April 2021 sampling event have been addressed by an ASD (Golder, 2021b). The SSIs reported for following the August/October 2021 monitoring event will be addressed in a forthcoming ASD. As such, Cell 1 and PAC Ash Cell will remain in detection monitoring. The next semi-annual groundwater sampling event is scheduled for February 2022.

## 7.0 CONCLUSIONS

This 2021 *Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Plant Scherer Solid Waste Facility Cell 1 & PAC Ash Cell Landfills has been prepared to fulfill the requirements of 40 CFR 257, Georgia EPD SWMR 391.3.4.-10, and the 2010 D&O Plan. Samples were obtained between April 1 through 6, 2021 and again on June 1 and 2 during the first semi-annual event and between August 11 through 18, 2021 with resampling conducted on October 7 and 18, 2021 during the second semi-annual event. The groundwater flow direction and rates observed during 2021 are consistent with historical evaluations.

Review of analytical results and statistical analyses following the two-step analyses developed for the Site identify statistical exceedances following the first semi-annual 2021 sampling event. Each of these have been addressed by a previously submitted ASD and is attributed to either natural variability in groundwater or a source other than the landfill units. (Golder, 2021d). In lieu of immediate verification resampling for the SSIs noted following the second semi-annual event will be addressed in a forthcoming ASD, anticipated to be on or before April 28, 2022. The monitoring well network continues to effectively monitor the water bearing unit beneath the lined landfill units (Cell 1 and PAC Ash Cell).

Based on the findings presented herein, Plant Scherer Cell 1 and PAC Ash Cell will continue with detection groundwater monitoring and reporting. The next scheduled sampling event is scheduled for February 2022.

---

## 8.0 REFERENCES

- Georgia Environmental Protection Division, 2017. CCR Rule Compliance, Minor Modification Request to Add Appendix III & IV Sample Parameters to the Current Groundwater Monitoring Plan, Permit No. 102-009(DL), August 9, 2017.
- Georgia Department of Natural Resources Environmental Protection Division Chapter 391-3-4 Solid Waste Management; 2010 Solid Waste Permit 102-009D(LI).
- Golder, 2019a, *Alternate Source Demonstration, Second Semi-Annual 2018 Monitoring Event, Plant Scherer Cell 1 and PAC Ash Cell*, Golder Associates Inc., April 26, 2019.
- Golder, 2019b, *Alternate Source Demonstration, Georgia Power Company-Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI) 2019 First Semi-Annual Monitoring Event*, Golder Associates Inc., November 27, 2019.
- Golder, 2020a, *Hydrogeologic Assessment Report, Plant Scherer Ash Pond 1*, Golder Associates Inc., September 2020, revised December 2020.
- Golder, 2020b, *Alternate Source Demonstration, Georgia Power Company-Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI) 2019 Second Semi-Annual Monitoring Event*, Golder Associates Inc., April 27, 2020.
- Golder, 2020c, *Alternate Source Demonstration, Georgia Power Company-Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI) 2020 First Semi-Annual Monitoring Event*, Golder Associates Inc., August 31, 2020.
- Golder 2021a. 2020 Annual Groundwater & Corrective Action Monitoring Report, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), Golder Associates Inc., January 29, 2021.
- Golder, 2021b. *Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 Second Semi-Annual Monitoring Event*, Golder Associates Inc., April 23, 2021.
- Golder 2021c. 2021 Semi-Annual Groundwater & Corrective Action Monitoring Report, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), Golder Associates Inc., August 31, 2021.
- Golder, 2021d. *Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2021 First Semi-Annual Monitoring Event*, Golder Associates Inc., November 19, 2021.
- Heath, R.C., 1982, *Basic Ground-Water Hydrology*. Water Supply Paper 2220. U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado.
- Sanitas: *Groundwater Statistical Software* (2014), Sanitas Technologies, Shawnee, KS, 2007.
- Southern Company Generation Engineering and Construction Services, 2010. *Groundwater Monitoring Plan Narrative of the Design & Operations (D&O) Plan for Plant Scherer Coal Combustion By-Product CCB Disposal Facility*, February 26, 2010.

Southern Company Services, 2007. Plant Scherer Proposed Coal Combustion By-Products Storage Facility Site Acceptability Report.

US EPA, 1996 Soil Guidance Manual

US EPA, 2009, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities Unified Guidance, EPA 530-R-09-007.

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

## TABLES



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

Well ID	Hydraulic Location	Screened Matrix	NAD 83 Northing <sup>[1]</sup>	NAD 83 Easting <sup>[1]</sup>	Ground Surface Elevation at Concrete Pad (feet NAVD88)	Ground Surface Elevation (feet NAVD88) <sup>[2]</sup>	Top of Casing Elevation (feet NAVD88) <sup>[2]</sup>	Well Depth (ft BTOC) <sup>[2]</sup>	Top of Screen Elevation (feet NAVD88) <sup>[2]</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>[2]</sup>	Screen Length (feet)	Date of Installation
<b>GYPSUM CELL 1</b>												
GWC-1	Downgradient	Overburden	1120077.85	2411555.32	371.77	371.6	374.95	39.35	346.91	336.91	10	10/28/2009
GWC-2	Downgradient	Overburden	1119816.59	2411493.53	377.02	376.9	380.22	57.82	332.12	322.12	10	10/8/2009
GWC-3	Downgradient	Overburden	1119613.99	2411202.86	407.36	407.1	410.44	49.34	370.70	360.70	10	10/29/2009
GWC-4	Downgradient	Overburden	1119255.96	2411041.82	408.50	408.4	411.75	42.85	378.70	368.70	10	11/21/2009
GWC-5	Downgradient	Overburden	1118897.72	2411025.88	393.37	393.3	396.69	38.22	372.84	362.84	10	10/22/2009
GWC-6	Downgradient	Bedrock	1118575.69	2410872.56	412.48	412.4	415.80	47.92	377.52	367.52	10	10/21/2009
GWC-7	Downgradient	Overburden	1118243.67	2410645.91	414.51	414.4	418.27	58.36	369.84	359.84	10	10/20/2009
GWC-8A	Downgradient	Overburden	1117917.32	2410375.16	398.65	398.6	401.62	48.02	364.30	354.30	10	3/29/2017
GWC-9	Downgradient	Overburden	1117955.40	2410167.75	383.21	382.8	386.18	19.87	376.02	366.02	10	11/4/2009
GWC-10	Downgradient	Overburden	1118306.77	2410018.28	389.49	388.9	392.87	39.48	367.50	357.50	10	11/3/2009
GWC-11	Downgradient	Overburden	1118648.98	2409778.84	399.21	398.8	402.33	33.52	377.81	367.81	10	11/3/2009
GWC-12	Downgradient	Overburden	1118977.87	2409554.57	409.66	409.2	412.89	37.23	384.94	374.94	10	11/3/2009
GWC-13	Downgradient	Overburden	1119338.68	2409390.95	416.71	416.5	419.77	42.76	386.52	376.52	10	11/2/2009
GWC-14	Downgradient	Overburden	1119655.05	2409111.75	400.41	400.2	403.60	28.43	386.09	376.09	10	11/4/2009
GWA-15	Upgradient	Overburden	1120009.40	2409282.43	412.00	411.7	415.01	28.31	395.51	385.51	10	11/4/2009
GWA-16	Upgradient	Overburden	1120248.68	2409579.75	441.01	440.9	444.24	58.33	396.71	386.71	10	10/13/2009
GWA-17	Upgradient	Overburden	1120210.57	2409946.73	442.92	442.8	445.84	46.32	409.27	399.27	10	9/28/2009
GWC-18	Downgradient	Overburden	1119998.73	2410261.85	436.40	436.3	439.66	62.86	389.49	379.49	10	9/29/2009
GWC-19	Downgradient	Overburden	1119645.70	2410713.20	426.34	426.3	430.20	73.90	382.45	372.45	10	10/2/2009
GWC-20	Downgradient	Overburden	1119950.51	2411195.38	423.03	423.0	426.30	72.93	363.85	353.85	10	10/6/2009

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

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

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

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

**Notes:**

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

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

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

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

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

(5) - = not applicable

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

Well ID	Hydraulic Location	Summary of Sampling Event	Resampled	Summary of Sampling Event	Resampled	Status of Monitoring Well
		April 2021	June 2021	August 2021	October 2021	
Purpose of Sampling Event		Detection	Detection	Detection	Detection	
<b>CELL 1</b>						
GWA-15	Upgradient	X		X		Detection
GWA-16	Upgradient	X		X		Detection
GWA-17	Upgradient	X		X		Detection
GWC-1	Downgradient	X		X	X	Detection
GWC-2	Downgradient	X		X		Detection
GWC-3	Downgradient	X		X		Detection
GWC-4	Downgradient	X		X		Detection
GWC-5	Downgradient	X		X		Detection
GWC-6	Downgradient	X	X	X		Detection
GWC-7	Downgradient	X		X		Detection
GWC-8 <sup>(1)</sup>	Downgradient	X		X		Detection
GWC-8A <sup>(1)</sup>	Downgradient	X	X	X		Detection
GWC-9	Downgradient	X		X		Detection
GWC-10	Downgradient	X		X	X	Detection
GWC-11	Downgradient	X		X		Detection
GWC-12	Downgradient	X		X		Detection
GWC-13	Downgradient	X		X		Detection
GWC-14	Downgradient	X		X		Detection
GWC-18	Downgradient	X		X		Detection
GWC-19	Downgradient	X	X	X	X	Detection
GWC-20	Downgradient	X	X	X		Detection

**Notes:**

<sup>(1)</sup> Monitoring well GWC-8 was replaced with GWC-8A in May 2017.

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

Well ID	Hydraulic Location	Summary of Sampling Event	Resampled	Summary of Sampling Event	Resampled	Status of Monitoring Well
		April 2021	June 2021	August 2021	October 2021	
Purpose of Sampling Event		Detection	Detection	Detection	Detection	
<b>PAC ASH CELL</b>						
GWA-21	Upgradient	X		X		Detection
GWA-22	Upgradient	X		X		Detection
GWA-45	Upgradient	X		X		Detection
GWA-46	Upgradient	X	X	X		Detection
GWA-47	Upgradient	X	X	X		Detection
GWA-48	Upgradient	X	X	X		Detection
GWA-49	Upgradient	X		X		Detection
GWC-29	Downgradient	X		X		Detection
GWC-50	Downgradient	X		X		Detection
GWC-51	Downgradient	X	X	X		Detection
GWC-52	Downgradient	X	X	X		Detection
GWC-53	Downgradient	X		X		Detection

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

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION		
		2/8/2021	3/29/2021	8/16/2021
<b>CELL 1</b>				
GWC-1	374.95	367.60	368.36	364.94
GWC-2	380.22	368.52	369.36	365.97
GWC-3	410.44	373.35	372.82	372.47
GWC-4	411.75	380.25	380.65	379.40
GWC-5	396.69	377.86	378.76	376.38
GWC-6	415.80	377.88	378.72	377.36
GWC-7	418.27	376.40	376.71	375.72
GWC-8A	401.62	379.27	379.81	378.57
GWC-9	386.18	379.53	380.11	378.85
GWC-10	392.87	383.12	383.57	381.61
GWC-11	402.33	385.73	386.15	383.64
GWC-12	412.89	389.19	390.07	387.08
GWC-13	419.77	391.02	391.66	389.17
GWC-14	403.60	391.75	392.74	390.54
GWA-15	415.01	404.98	405.80	403.12
GWA-16	444.24	413.32	414.05	411.57
GWA-17	445.84	416.34	417.24	416.82
GWC-18	439.66	406.66	407.09	406.90
GWC-19	430.20	394.20	394.98	393.54
GWC-20	426.30	382.65	383.18	382.32
<b>PAC ASH CELL</b>				
GWA-21	422.58	419.36	420.09	417.18
GWA-22	444.50	422.30	423.54	419.85
GWC-29	399.64	394.15	394.33	394.04
GWA-45	451.08	436.98	438.89	435.99
GWA-46	461.13	430.13	430.63	429.06
GWA-47	465.77	427.49	427.57	427.25
GWA-48	461.73	425.73	426.02	425.13
GWA-49	432.88	423.78	425.73	421.30
GWC-50	407.16	399.01	399.65	398.42
GWC-51	410.15	401.90	402.10	401.57
GWC-52	417.13	408.11	408.01	407.14
GWC-53	435.83	426.03	426.70	425.05

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

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION		
		2/8/2021	3/29/2021	8/16/2021
<b>CELL 3</b>				
GWA-39	457.62	431.22	432.40	429.51
GWA-40	463.84	431.49	432.66	430.44
GWA-41	434.12	424.42	425.33	423.27
GWA-42	405.19	400.49	400.91	399.83
GWA-43	400.94	397.19	397.71	396.47
GWA-44A	399.62	396.12	396.24	395.46
GWA-54	451.49	427.72	428.35	426.70
GWC-30	394.49	389.09	389.89	386.98
GWC-31	392.78	387.58	387.91	385.52
GWC-32	410.03	386.82	387.26	385.44
GWC-33A	393.96	384.06	384.65	383.51
GWC-34	389.29	381.99	382.20	381.43
GWC-35	387.90	382.90	383.62	382.20
GWC-36	425.12	393.12	394.41	392.31
GWC-37	429.80	405.58	406.08	405.56
GWC-38	418.68	407.18	408.37	406.06

**Notes:**

Feet MSL = feet above mean sea level

NM = Not Measured

**TABLE 4A**  
**HORIZONTAL GROUNDWATER VELOCITY CALCULATIONS - March 2021**  
 Georgia Power - Plant Scherer  
 Juliette, GA

Flow Paths	Groundwater Elevation (feet msl)	$\Delta H$ (feet) <sup>2</sup>	$\Delta L$ (feet) <sup>3</sup>	Hydraulic Gradient ( $\Delta H/\Delta L$ )	Average Hydraulic Conductivity, K (feet per day) <sup>5</sup>	Assumed Effective Porosity ( $n_e$ )	Average Linear Groundwater Velocity	
							(feet per day) <sup>4</sup>	(feet per year) <sup>4</sup>
<b>Cell 1:</b>								
GWA-17/GWC-7	417.24	40.53	2110	0.019	2.36	0.2	0.23	83
	376.71							
GWC-19/GWC-3	394.98	22.16	500	0.044	2.36	0.2	0.52	191
	372.82							
<b>PAC Ash:</b>								
GWA-45/GWC-51	438.89	36.80	1062	0.035	2.36	0.2	0.41	149
	402.10							
GWA-47/GWC-50	427.57	27.92	1020	0.027	2.36	0.2	0.32	118
	399.65							

**Notes:**

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



**TABLE 4B**  
**HORIZONTAL GROUNDWATER VELOCITY CALCULATIONS - August 2021**  
 Georgia Power - Plant Scherer  
 Juliette, GA

Flow Paths	Groundwater Elevation (feet msl)	$\Delta H$ (feet) <sup>2</sup>	$\Delta L$ (feet) <sup>3</sup>	Hydraulic Gradient ( $\Delta H/\Delta L$ )	Average Hydraulic Conductivity, K (feet per day) <sup>5</sup>	Assumed Effective Porosity ( $n_e$ )	Average Linear Groundwater Velocity	
							(feet per day) <sup>4</sup>	(feet per year) <sup>4</sup>
<b>Cell 1:</b>								
GWA-17/GWC-7	416.82	41.10	2110	0.019	2.36	0.2	0.23	84
	375.72							
GWC-19/GWC-3	393.54	21.07	500	0.042	2.36	0.2	0.50	181
	372.47							
<b>PAC Ash:</b>								
GWA-45/GWC-51	435.99	34.42	1062	0.032	2.36	0.2	0.38	140
	401.57							
GWA-47/GWC-50	427.25	28.83	1020	0.028	2.36	0.2	0.33	122
	398.42							

**Notes:**

1.  $\Delta H$  = Change in groundwater elevation
2.  $\Delta L$  = Distance along flow path
3.  $I = \Delta H / \Delta L$
4. Velocity =  $(I * K)/n_e$
5. Hydraulic conductivity range based on historic aquifer performance tests
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**  
**Cell 1- April 2021**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Analyte	Units	GROUNDWATER MONITORING WELLS											
		GWA-15	GWA-16	GWA-17	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
		4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/6/2021	4/2/2021	4/1/2021	4/5/2021	4/1/2021	4/5/2021	4/1/2021
<b>APPENDIX III</b>													
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	0.053 J	< 0.039	0.078 J	< 0.039	0.23	0.042 J	< 0.039	0.18	0.059 J
CALCIUM, TOTAL	mg/L	4.0	12	7.8	18	17	7.4	15	40	16	15	52	16
CHLORIDE, TOTAL	mg/L	7.0	1.8	1.5	4.2	2.5	2.9	11	18	6.3*	2.9	9.4*	4.3
FLUORIDE, TOTAL	mg/L	< 0.026	0.035 J	0.042 J	0.081 J	0.043 J	0.045 J	0.097 J	0.029 J	0.038 J*	0.072 J	0.034 J*	0.072 J
pH	S.U.	5.31	6.44	6.14	6.52	7.32	6.01	6.35	6.01	6.36	6.40	6.35	6.28
pH*	S.U.	--	--	--	--	--	--	--	--	6.09*	--	6.28*	--
SULFATE, TOTAL	mg/L	2.7	< 0.76	< 0.76	< 0.76	1.1	< 0.76	4.6	100	13*	< 0.76	17*	9.7
TOTAL DISSOLVED SOLIDS	mg/L	55	100	68	120	120	81	150	260	140*	110	340*	120
<b>STATE PARAMETERS</b>													
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	0.0013 J	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	0.00097 J	< 0.00031
BARIUM, TOTAL	mg/L	0.0092 J	0.024	0.029	0.047	0.044	0.014	0.047	0.040	0.054	0.036	0.045	0.018
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00038 J	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	0.00038 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	0.00030 J	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.0053	0.0082	0.014	0.0057	0.0074	0.0052	0.0058	0.0050	0.0091	< 0.0015	0.0018 J
COBALT, TOTAL	mg/L	0.0024 J	0.00014 J	< 0.00013	< 0.00013	< 0.00013	0.00031 J	0.00026 J	< 0.00013	0.00015 J	0.00015 J	0.0026	0.00015 J
COPPER, TOTAL	mg/L	< 0.00063	0.00074 J	< 0.00063	< 0.00063	0.00069 J	0.00088 J	0.0012 J	< 0.00063	< 0.00063	0.00094 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00034 J	< 0.00013
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
NICKEL, TOTAL	mg/L	0.00049 J	< 0.00034	0.00040 J	0.00073 J	0.0022	0.0018	0.0012	0.00042 J	0.00088 J	0.00036 J	0.0058	0.00058 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0065	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00027 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00030 J	< 0.00015	0.00081 J	< 0.00015
VANADIUM, TOTAL	mg/L	< 0.00099	0.0078	0.0050	0.019	0.014	0.0075	0.0081	0.0027	0.0091	0.014	0.0023	0.0095
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.010	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
- 4 \* indicates the analyte was resampled between June 1st and June 2nd, 2021 due to sample delivery errors.
- 5 -- indicates not applicable

**TABLE 5A**  
**ANALYTICAL DATA SUMMARY**  
**Cell 1- April 2021**  
Georgia Power Company - Plant Scherer  
Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS							
		GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18	GWC-19	GWC-20
		4/1/2021	4/1/2021	4/1/2021	4/6/2021	4/1/2021	4/1/2021	4/5/2021	4/5/2021
<b>APPENDIX III</b>									
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	0.056 J	< 0.039	< 0.039	< 0.039	< 0.039
CALCIUM, TOTAL	mg/L	19	13	1.2	7.4	6.2	11	15	14
CHLORIDE, TOTAL	mg/L	4.4	1.9	2.0	1.8	3.8	2.8	2.6*	2.1*
FLUORIDE, TOTAL	mg/L	0.086 J	0.042 J	< 0.026	0.026 J	< 0.026	0.041 J	0.026 J*	0.033 J*
pH	S.U.	6.35	6.11	5.18	5.95	5.53	6.37	6.37	6.64
pH*	S.U.	--	--	--	--	--	--	6.18*	6.39*
SULFATE, TOTAL	mg/L	2.7	< 0.76	< 0.76	0.90 J	< 0.76	< 0.76	1.9*	1.4*
TOTAL DISSOLVED SOLIDS	mg/L	140	90	17	55	43	62	130*	120*
<b>STATE PARAMETERS</b>									
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.034	0.018	0.018	0.038	0.0095 J	0.035	0.028	0.029
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.020	0.0078	0.0015 J	0.0061	< 0.0015	0.014	0.012	0.0080
COBALT, TOTAL	mg/L	< 0.00013	< 0.00013	0.00028 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00014 J	< 0.00013
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013*	< 0.00013*
NICKEL, TOTAL	mg/L	0.0012	0.00065 J	0.00065 J	0.00053 J	< 0.00034	< 0.00034	0.00047 J	0.00048 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00032 J	< 0.00015
VANADIUM, TOTAL	mg/L	0.013	0.011	< 0.00099	0.0028	0.0013	0.0081	0.0068	0.017
ZINC, TOTAL	mg/L	< 0.0032	0.0034 J	< 0.0032	0.0040 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
- 4 \* indicates the analyte was resampled between June 1st and June 2nd, 2021 due to sample delivery errors.
- 5 -- indicates not applicable

**TABLE 5B**  
**ANALYTICAL DATA SUMMARY**  
**PAC Ash Cell - April 2021**  
 Georgia Power Company - Plant Scherer  
 Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS											
		GWA-21	GWA-22	GWA-45	GWA-46	GWA-47	GWA-48	GWA-49	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
		4/2/2021	4/2/2021	4/2/2021	4/5/2021	4/5/2021	4/5/2021	4/6/2021	4/6/2021	4/6/2021	4/5/2021	4/5/2021	4/6/2021
<b>APPENDIX III</b>													
BORON, TOTAL	mg/L	< 0.039	< 0.039	1.1	< 0.039	< 0.039	0.044 J	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	0.97
CALCIUM, TOTAL	mg/L	9.2	9.0	29	7.0	13	13	16	17	7.7	8.0	21	19
CHLORIDE, TOTAL	mg/L	3.7	1.8	13	5.3	1.8	2.0	2.1	3.3	1.9	7.8	8.2	13
FLUORIDE, TOTAL	mg/L	0.028 J	0.032 J	< 0.026	0.039 J	0.038 J	0.031 J	0.030 J	0.031 J	< 0.026	< 0.026	0.050 J	< 0.026
pH	S.U.	6.06	6.03	5.92	5.92	6.59	6.78	6.87	6.30	5.76	5.99	6.68	5.67
pH*	S.U.	--	--	--	5.80*	6.46*	6.78*	--	--	--	5.87*	6.60*	--
SULFATE, TOTAL	mg/L	0.99 J	< 0.76	180	< 0.76	< 0.76	1.3	< 0.76	2.5	< 0.76	1.7	57	160
TOTAL DISSOLVED SOLIDS	mg/L	100	69	360	46	63	99	110	110	49	66	170	250
<b>STATE PARAMETERS</b>													
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	0.00031 J	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.020	0.023	0.11	0.022	0.028	0.015	0.020	0.018	0.013	0.010	0.019	0.041
BERYLLIUM, TOTAL	mg/L	< 0.00018	0.00019 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.0029	0.010	< 0.0015	0.0041	0.0084	0.0061	0.0055	< 0.0015	0.0044	0.0054	0.031	< 0.0015
COBALT, TOTAL	mg/L	0.00016 J	0.00026 J	0.0020 J	< 0.00013	0.00017 J	0.00019 J	< 0.00013	< 0.00013	< 0.00013	0.00020 J	< 0.00013	0.0062
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 0.00063	< 0.00063	0.0019 J	0.00093 J	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	0.00018 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
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
NICKEL, TOTAL	mg/L	0.00046 J	0.00049 J	0.00077 J	< 0.00034	< 0.00034	0.00034 J	< 0.00034	0.0042	0.0019	0.0020	< 0.00034	0.0072
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	0.00016 J	0.00036 J	< 0.00015	< 0.00015	< 0.00015	0.00043 J	< 0.00015	< 0.00015	< 0.00015	0.00022 J	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0029	0.0045	0.0014	0.0030	0.0085	0.019	0.021	0.0045	0.0026	0.0059	0.011	< 0.00099
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	0.0058	0.0049 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.014

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
- 4 \* indicates the analyte was resampled between June 1st and June 2nd, 2021 due to sample delivery errors.
- 5 -- indicates not applicable

**TABLE 5C**  
**ANALYTICAL DATA SUMMARY**  
**Surface Water - April 2021**  
 Georgia Power Company - Plant Scherer  
 Juliette, Georgia

Analyte	Units	SURFACE WATER SAMPLING LOCATIONS							
		SWA-1	SWA-2	SWA-3	SWC-4	SWC-6	SWC-7	SWC-8	SWC-9
Sample Date:		4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021
<b>FIELD MONITORING PARAMETERS</b>									
pH	SU	7.47	6.99	6.97	7.50	7.73	7.51	7.17	6.71
ORP	mV	79.5	40.4	54.1	73.2	71.2	79.3	61.3	82.0
SPECIFIC CONDUCTANCE	us/cm	218.71	562.67	296.44	331.30	137.85	268.92	426.74	120.95
DISSOLVED OXYGEN	mg/L	10.8	7.45	7.97	9.19	9.12	9.83	8.26	7.83
TEMPERATURE	C	25.56	22.98	23.83	21.02	21.50	22.43	24.06	20.99
TURBIDITY	NTU	2.26	5.15	3.49	5.70	12.19	6.78	5.58	0.90
<b>APPENDIX III</b>									
BORON, TOTAL	mg/L	0.31	0.98	0.53	0.54	< 0.039	0.35	0.78	< 0.039
CALCIUM, TOTAL	mg/L	18	37	14	22	10	21	27	10
CHLORIDE, TOTAL	mg/L	3.6	11	11	8.0	2.6	6.8	11	2.4
FLUORIDE, TOTAL	mg/L	0.18	0.052 J	0.039 J	0.067 J	0.093 J	0.085 J	0.031 J	0.076 J
SULFATE, TOTAL	mg/L	44	190	90	90	0.98 J	60	140	2.3
TOTAL DISSOLVED SOLIDS	mg/L	110	340	160	200	83	150	250	85
<b>STATE REQUIRED INORGANICS</b>									
CHEMICAL OXYGEN DEMAND	mg/L	< 9.1	< 9.1	< 9.1	N/S	N/S	< 9.1	N/S	N/S
CYANIDE, TOTAL	mg/L	< 0.0080	< 0.0080	< 0.0080	N/S	N/S	< 0.0080	N/S	N/S
TOTAL ORGANIC CARBON	mg/L	4.5	1.4	0.88 J	N/S	N/S	1.9	N/S	N/S
<b>STATE REQUIRED METALS</b>									
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	0.00041 J	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.051	0.071	0.047	0.048	0.029	0.049	0.062	0.019
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	0.00022 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0060
COBALT, TOTAL	mg/L	0.00014 J	0.0070	0.0054	0.0025	0.0029	0.0011 J	0.0056	0.00027 J
COPPER, TOTAL	mg/L	0.0033	< 0.00063	< 0.00063	< 0.00063	< 0.00063	0.00085 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	0.00018 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
NICKEL, TOTAL	mg/L	0.00075 J	0.0011	0.0013	0.00076 J	0.00051 J	0.00056 J	0.00091 J	< 0.00034
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00037 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0028	0.0013	0.0018	0.0011	0.0017	0.0014	< 0.00099	0.0062
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	0.0035 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units; mV - millivolts; C - degrees Celcius; NTU - Nephelometric Turbidity Unit; us/cm - microsiemens per centimeter.
2. Dissolved Oxygen Screening Limit: A daily average of 6.0 mg/L and no less than 5.0 g/L for designated waters.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. N/S - Not sampled as per the site D&O Plan; SWA-1, SWA-2, SWA-3, and SWC-7 are sampled for chemical oxygen demand (COD), Cyanide, and total organic carbon (TOC).
6. No samples were collected from SWC-5 because this location was dry at the time of sampling.

**TABLE 5D**  
**ANALYTICAL DATA SUMMARY**  
**Cell 1- August 2021**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Analyte	Units	GROUNDWATER MONITORING WELLS											
		GWA-15	GWA-16	GWA-17	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
		8/11/2021	8/11/2021	8/11/2021	8/18/2021	8/12/2021	8/12/2021	8/12/2021	8/12/2021	8/11/2021	8/11/2021	8/12/2021	8/12/2021
<b>APPENDIX III</b>													
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	0.19	0.057 J	0.056 J	0.23	0.10
CALCIUM, TOTAL	mg/L	4.1	11	7.3	18	17	6.6	13	46	16	14	37	18
CHLORIDE, TOTAL	mg/L	7.2	1.8	1.4	4.0	2.5	3.3	12	22	6.5	3.0	7.8	4.1
FLUORIDE, TOTAL	mg/L	0.036 J	0.050 J	0.053 J	0.081 J*	0.054 J	0.084 J	0.11	0.045 J	0.055 J	0.058 J	0.087 J	0.085 J
pH	S.U.	5.5	6.35	6.14	4.96	6.41	6.12	6.30	5.87	6.14	6.26	6.37	6.66
pH*	S.U.	--	--	--	6.36*	--	--	--	--	--	--	--	--
SULFATE, TOTAL	mg/L	1.3	< 0.76	< 0.76	0.79 J	< 0.76	< 0.76	3.5	140	11	< 0.76	27	9.7
TOTAL DISSOLVED SOLIDS	mg/L	55	100	94	150	130	89	130	370	160	130	240	150
<b>STATE PARAMETERS</b>													
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	0.00081 J	< 0.00031
BARIUM, TOTAL	mg/L	0.010	0.023	0.029	0.049	0.048	0.019	0.049	0.036	0.054	0.036	0.026	0.023
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00022 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.0059	0.0089	0.014	0.012	0.0085	0.0045	0.0053	0.0050	0.0092	< 0.0015	0.0077
COBALT, TOTAL	mg/L	0.0011 J	< 0.00013	< 0.00013	0.00025 J	0.00020 J	0.00067 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.0019 J	0.00013 J
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 0.00063	0.0011 J	0.00078 J	0.0019 J	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00014 J	< 0.00013	< 0.00013	< 0.00013	0.00014 J	< 0.00013	< 0.00013
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
NICKEL, TOTAL	mg/L	0.00051 J	< 0.00034	< 0.00034	0.0017	0.0028	0.0029	0.00076 J	0.00061 J	0.00074 J	< 0.00034	0.0035	0.00045 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0088	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00037 J	0.00020 J	0.00043 J	0.00043 J	0.00016 J
VANADIUM, TOTAL	mg/L	< 0.00099	0.0082	0.0055	0.018	0.016	0.0087	0.0070	0.0021	0.0099	0.013	< 0.00099	0.020
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.0035 J	< 0.0032	0.0034 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
- 4 \* indicates the analyte was resampled between October 7th and October 18th, 2021.

**TABLE 5D**  
**ANALYTICAL DATA SUMMARY**  
**Cell 1- August 2021**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Analyte	Units	GROUNDWATER MONITORING WELLS							
		GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18	GWC-19	GWC-20
		8/17/2021	8/11/2021	8/11/2021	8/11/2021	8/11/2021	8/11/2021	8/11/2021	8/11/2021
<b>APPENDIX III</b>									
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039
CALCIUM, TOTAL	mg/L	18	13	1.0	6.7	6.9	10	17 *	14
CHLORIDE, TOTAL	mg/L	3.1	1.8	1.8	1.6	3.7	2.9	2.8	2.1
FLUORIDE, TOTAL	mg/L	0.083 J	0.051 J	0.029 J	0.045 J	0.045 J	0.062 J	0.047 J	0.051 J
pH	S.U.	6.45	6.21	5.20	5.92	5.61	6.43	6.35	6.58
pH*	S.U.	6.25*	--	--	--	--	--	6.79*	--
SULFATE, TOTAL	mg/L	1.2	< 0.76	< 0.76	0.89 J	< 0.76	< 0.76	< 0.76	< 0.76
TOTAL DISSOLVED SOLIDS	mg/L	160	120	18	75	71	98	120	110
<b>STATE PARAMETERS</b>									
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIIUM, TOTAL	mg/L	0.031*	0.017	0.018	0.037	0.012	0.037	0.031	0.031
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.019*	0.0078	< 0.0015	0.0051	< 0.0015	0.014	0.013	0.0087
COBALT, TOTAL	mg/L	< 0.00013*	< 0.00013	0.00033 J	< 0.00013	< 0.00013	0.00021 J	< 0.00013	< 0.00013
COPPER, TOTAL	mg/L	< 0.00063*	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013*	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
NICKEL, TOTAL	mg/L	0.0020*	0.00060 J	0.00080 J	< 0.00034	< 0.00034	< 0.00034	< 0.00034	0.00056 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.013*	0.011	< 0.00099	0.0013	0.0012	0.0080	0.0076	0.019
ZINC, TOTAL	mg/L	< 0.0032*	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
- 4 \* indicates the analyte was resampled between October 7th and October 18th, 2021.

**TABLE 5E**  
**ANALYTICAL DATA SUMMARY**  
**PAC Ash Cell - August 2021**  
Georgia Power Company - Plant Scherer  
Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS											
		GWA-21	GWA-22	GWA-45	GWA-46	GWA-47	GWA-48	GWA-49	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
		8/12/2021	8/12/2021	8/12/2021	8/12/2021	8/13/2021	8/12/2021	8/12/2021	8/13/2021	8/13/2021	8/13/2021	8/17/2021	8/13/2021
<b>APPENDIX III</b>													
BORON, TOTAL	mg/L	< 0.039	< 0.039	1.1	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	0.94
CALCIUM, TOTAL	mg/L	7.2	6.0	26	6.1	11	12	14	15	7.2	7.0	22	17
CHLORIDE, TOTAL	mg/L	4.1	2.7	13	5.5	1.8	1.8	2.2	3.7	2.1	8.0	8.3	13
FLUORIDE, TOTAL	mg/L	0.040 J	0.028 J	< 0.026	0.11	0.090 J	0.052 J	0.058 J	0.065 J	0.048 J	0.043 J	0.094 J	0.034 J
pH	S.U.	5.88	5.91	5.92	5.71	6.33	6.86	6.86	6.18	5.86	5.92	6.63	5.47
SULFATE, TOTAL	mg/L	1.8	< 0.76	180	1.0	< 0.76	1.0	< 0.76	2.7	< 0.76	1.4	54	170
TOTAL DISSOLVED SOLIDS	mg/L	98	68	330	55	110	100	120	120	72	92	180	290
<b>STATE PARAMETERS</b>													
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIIUM, TOTAL	mg/L	0.023	0.024	0.091	0.023	0.026	0.013	0.024	0.021	0.029	0.019	0.020	0.038
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.0016 J	0.0080	< 0.0015	0.0045	0.0082	0.0058	0.0096	< 0.0015	0.0089	0.0087	0.034	0.0019 J
COBALT, TOTAL	mg/L	0.00028 J	0.00015 J	0.0024 J	< 0.00013	< 0.00013	< 0.00013	0.00072 J	0.00015 J	0.00074 J	0.00059 J	< 0.00013	0.015
COPPER, TOTAL	mg/L	0.00066 J	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	0.0031	< 0.00063	0.0046	0.0025	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00054 J	0.00022 J	< 0.00013	0.00017 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	< 0.00013	< 0.00013
NICKEL, TOTAL	mg/L	0.0011	0.00042 J	0.00092 J	< 0.00034	< 0.00034	< 0.00034	0.0019	0.0037	0.0036	0.0034	< 0.00034	0.0073
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0040	0.0028	0.0017	0.0031	0.0078	0.019	0.020	0.0061	0.0093	0.0072	0.011	0.0016
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	0.0060	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.0053	< 0.0032	< 0.0032	0.017

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.



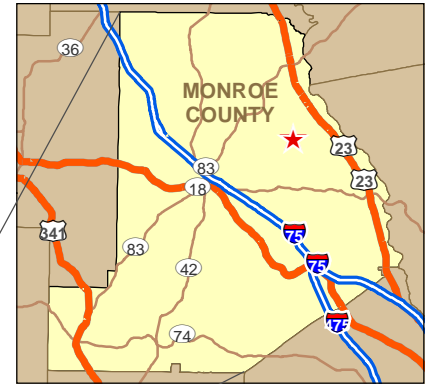
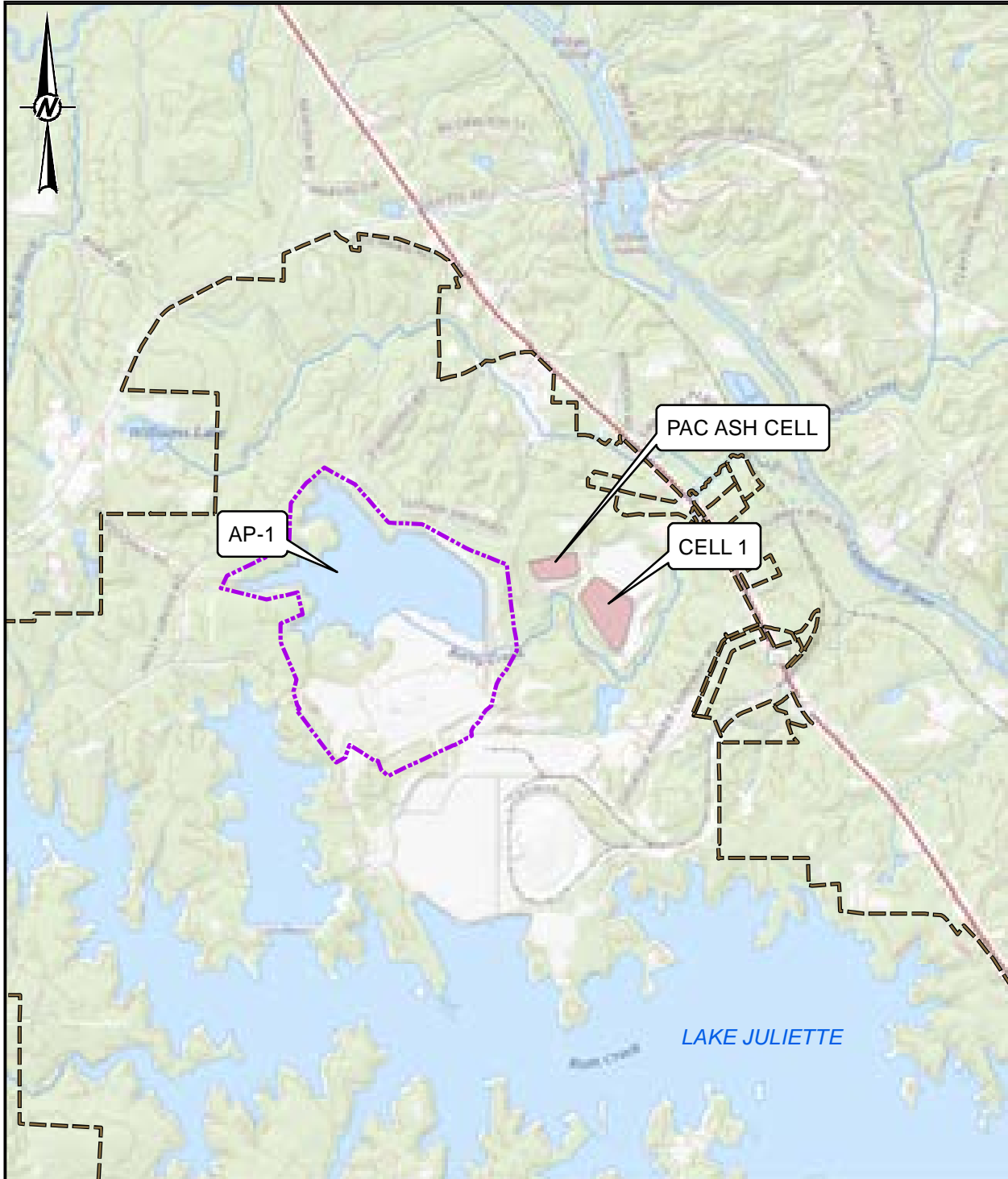
**TABLE 5F**  
**ANALYTICAL DATA SUMMARY**  
**Surface Water - August 2021**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Analyte	Units	SURFACE WATER SAMPLING LOCATIONS							
		SWA-2	SWA-3	SWC-4	SWC-5	SWC-6	SWC-7	SWC-8	SWC-9
Sample Date:		8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021
<b>FIELD MONITORING PARAMETERS</b>									
pH	SU	7.07	7.23	7.33	7.00	7.63	7.49	7.30	7.04
ORP	mV	181.7	213.6	263.7	198.1	370.5	415.3	289.9	359.3
SPECIFIC CONDUCTANCE	us/cm	706.2	263.8	418.4	355.0	151.6	287.8	528.3	125.6
DISSOLVED OXYGEN	mg/L	7.10	7.45	7.38	4.52	7.83	6.72	7.23	8.41
TEMPERATURE	C	25.32	25.28	24.48	24.80	24.88	26.88	26.37	23.30
TURBIDITY	NTU	4.44	3.99	1.50	1.56	10.0	3.49	3.31	0.320
<b>APPENDIX III</b>									
BORON, TOTAL	mg/L	1.6	0.51	0.75	0.048 J	< 0.039	0.52	1.1	< 0.039
CALCIUM, TOTAL	mg/L	46	13	28	31	12	22	33	9.7
CHLORIDE, TOTAL	mg/L	13	12	9.3	11	2.9	6.7	12	2.8
FLUORIDE, TOTAL	mg/L	0.064 J	0.053 J	0.073 J	0.26	0.087 J	0.14	0.061 J	0.099 J
SULFATE, TOTAL	mg/L	270	64	120	31	1.0	58	180	2.7
TOTAL DISSOLVED SOLIDS	mg/L	500	180	280	200	120	180	360	98
<b>STATE REQUIRED INORGANICS</b>									
CHEMICAL OXYGEN DEMAND	mg/L	< 9.1	< 9.1	N/S	N/S	N/S	< 9.1	N/S	N/S
CYANIDE, TOTAL	mg/L	0.016	< 0.0080	N/S	N/S	N/S	< 0.0080	N/S	N/S
TOTAL ORGANIC CARBON	mg/L	1.4	0.91 J	N/S	N/S	N/S	3.3	N/S	N/S
<b>STATE REQUIRED METALS</b>									
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	0.00032 J	0.00033 J	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.093	0.038	0.062	0.036	0.023	0.056	0.069	0.020
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0057
COBALT, TOTAL	mg/L	0.0064	0.0022 J	0.0017 J	0.00063 J	0.0012 J	0.00039 J	0.0032	< 0.00013
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	0.0014 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
NICKEL, TOTAL	mg/L	0.0014	0.00071 J	0.00075 J	0.00048 J	0.00040 J	0.00056 J	0.00087 J	0.00050 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	< 0.00099	0.0012	0.0021	0.0022	0.0027	0.0030	0.0010	0.0072
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units; mV - millivolts; C - degrees Celcius; NTU - Nephelometric Turbidity Unit; us/cm - microsiemens per centimeter.
2. Dissolved Oxygen Screening Limit: A daily average of 6.0 mg/L and no less than 5.0 g/L for designated waters.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. N/S - Not sampled as per the site D&O Plan; SWA-1, SWA-2, SWA-3, and SWC-7 are sampled for chemical oxygen demand (COD), Cyanide, and total organic carbon (TOC).
6. No samples were collected from SWA-1 because this location was dry at the time of sampling.

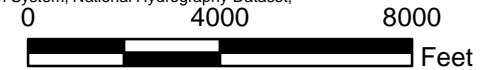
## FIGURES



**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,



CLIENT  
 GEORGIA POWER COMPANY  
 PLANT SCHERER  
 JULIETTE, GEORGIA



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

TITLE  
**SITE LOCATION MAP**

CONSULTANT



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





PROJECT No.  
 166235021

CONTROL  
 166235021AE000-GIS.mxd

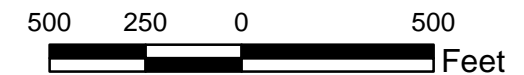
Rev.  
 0



FIGURE  
 1



- LEGEND**
-  CELL 1 LANDFILL MONITORING WELL
  -  PAC ASH LANDFILL MONITORING WELL
  -  CELL 3 MONITORING WELL
  -  SURFACE WATER LOCATION

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



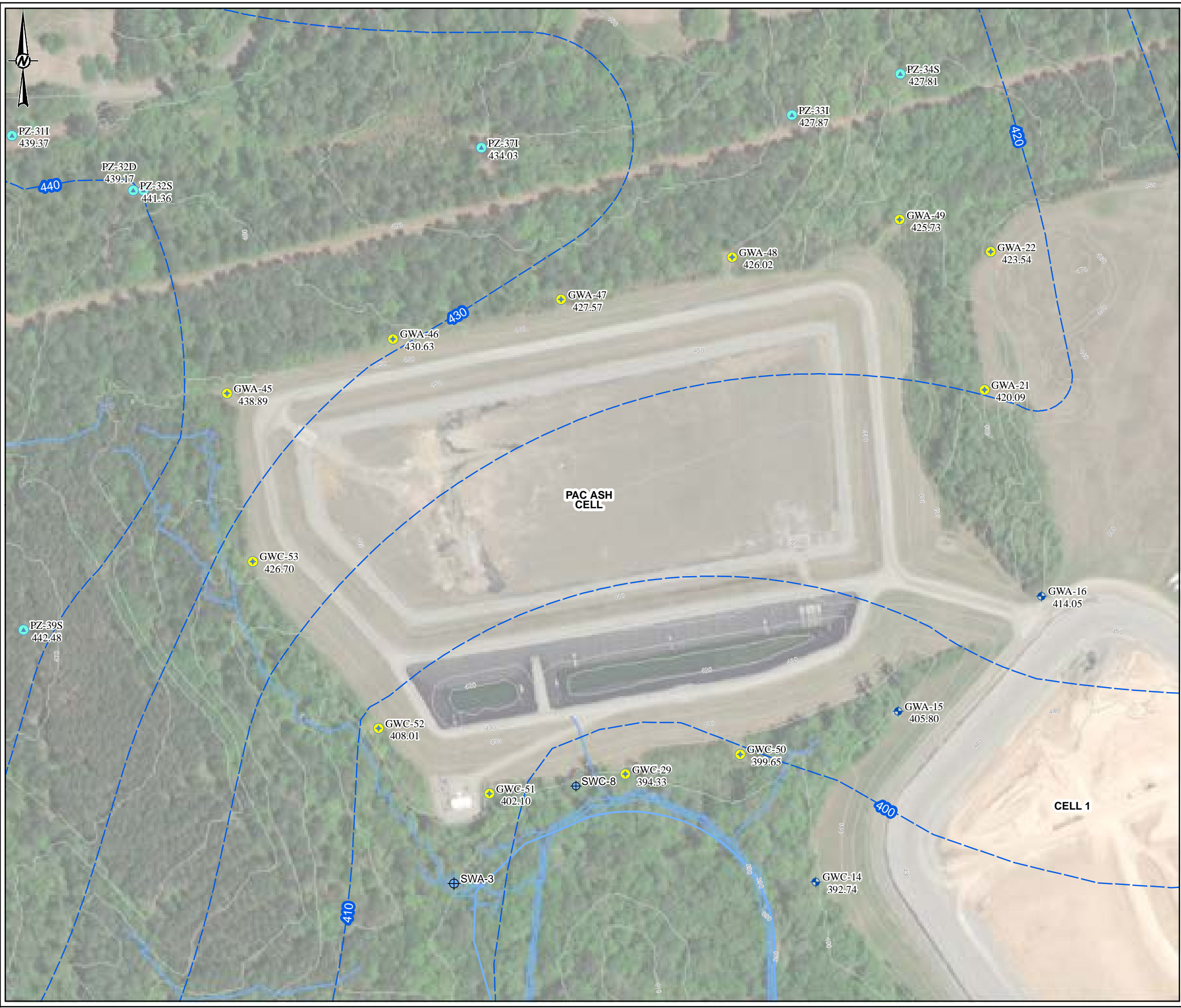
CLIENT GEORGIA POWER COMPANY PLANT SCHERER JULIETTE, GEORGIA			
PROJECT 2021 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PLANT SCHERER CELL 1 AND PAC ASH CELL			
TITLE <b>SITE PLAN AND DETECTION MONITORING          WELL LOCATION MAP</b>			
CONSULTANT	YYYY-MM-DD	2021-07-06	
	PREPARED	DJC	
	DESIGN	DH	
	REVIEW	DLP	
	APPROVED	RPK	
PROJECT No.	CONTROL	Rev.	FIGURE
166235021	166235021AB004-GIS.mxd	0	<b>2</b>

Path: H:\166235021\166235021AB004-GIS.mxd

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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





- LEGEND**
- SCHERER ASH POND-CCR MONITORING WELL
  - ⊕ CELL 1 LANDFILL MONITORING WELL
  - ⊕ PAC ASH LANDFILL MONITORING WELL
  - ⊕ CELL 3 MONITORING WELL
  - ⊕ PIEZOMETER
  - ⊕ SURFACE WATER SAMPLING LOCATION
  - ⊕ STREAM GAUGE LOCATION
  - INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
  - STREAM

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MARCH 29, 2021 BY GOLDR 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.

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



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER  
 JULIETTE, GEORGIA



PROJECT  
 2021 ANNUAL GROUNDWATER MONITORING AND  
 CORRECTIVE ACTION REPORT  
 PLANT SCHERER CELL 1 AND PAC ASH CELL

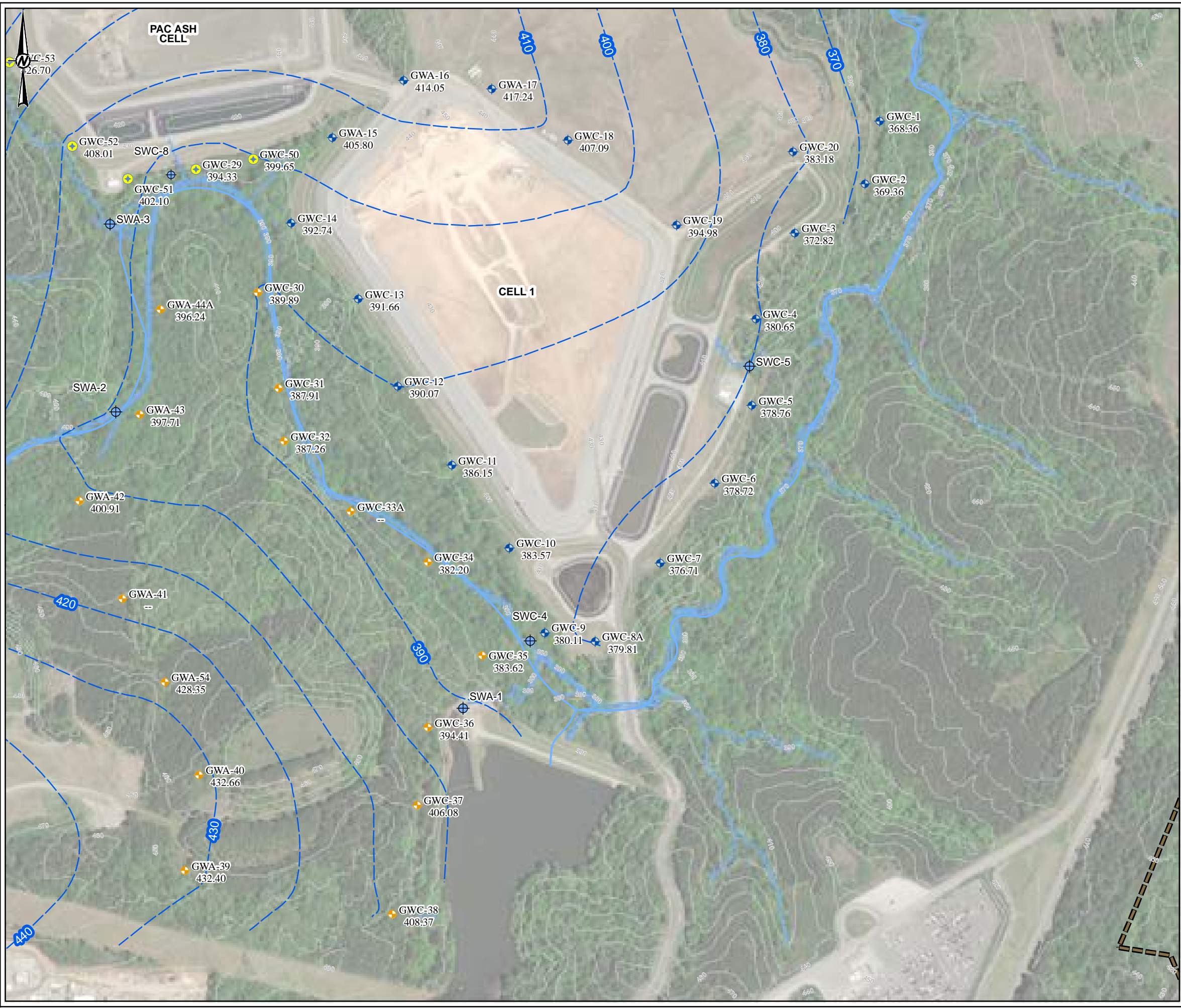
TITLE  
**POTENTIOMETRIC SURFACE MAP - PAC ASH**  
**MARCH 29, 2021**

CONSULTANT	YYYY-MM-DD	2021-07-06
	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

PROJECT No. 166235021 CONTROL 166235021AB002-GIS.mxd Rev. 0 FIGURE **3A**

Path: H:\16k-Projects\166235021-Southern Company Services\guma\GIS-CONTOUR MAPS MAR 2021\166235021AB002-GIS.mxd

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



- LEGEND**
- SCHERER ASH POND-CCR MONITORING WELL
  - ◆ CELL 1 LANDFILL MONITORING WELL
  - ◆ PAC ASH LANDFILL MONITORING WELL
  - ◆ CELL 3 MONITORING WELL
  - ▲ PIEZOMETER
  - ⊕ SURFACE WATER SAMPLING LOCATION
  - STREAM GAUGE LOCATION
  - INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
  - STREAM
  - PROPERTY BOUNDARY
  - PONDS

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MARCH 29, 2021 BY GOLDER ASSOCIATES.
  2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM (FT-NAVD 88).
  3. DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

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



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER  
 JULIETTE, GEORGIA

PROJECT  
**2021 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT**  
 PLANT SCHERER CELL 1 AND PAC ASH CELL

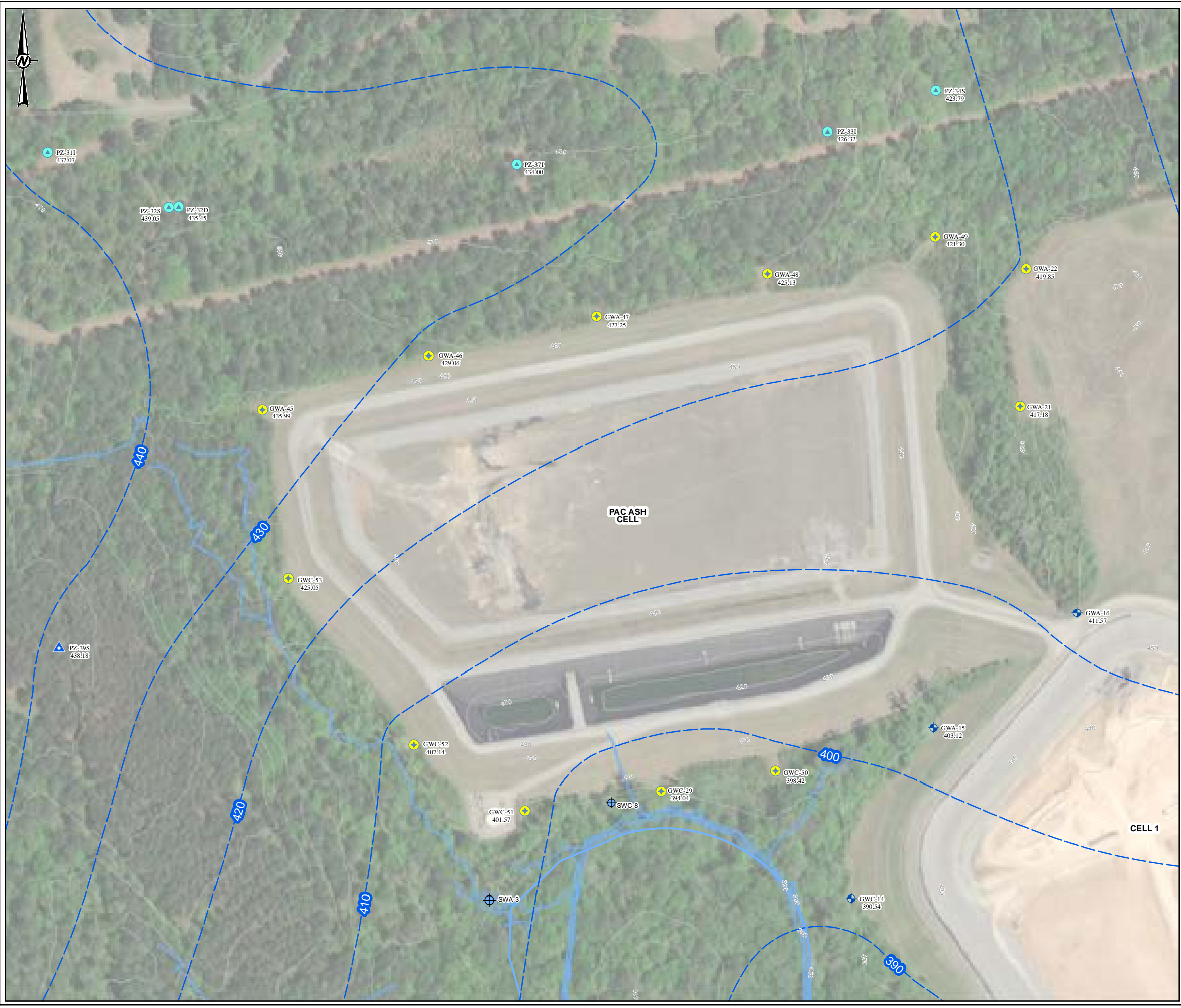
TITLE  
**POTENTIOMETRIC SURFACE MAP - CELL 1**  
**MARCH 29, 2021**

CONSULTANT	YYYY-MM-DD	2021-07-06
<b>GOLDER</b> MEMBER OF WSP	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

Path: H:\166235021\166235021\166235021AB003-GIS.mxd

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



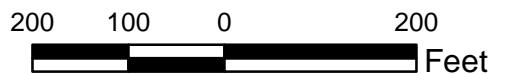


**LEGEND**

- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- PIEZOMETER
- SURFACE WATER SAMPLING LOCATION
- ASSESSMENT WELL LOCATION
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- STREAM
- PROPERTY BOUNDARY
- PONDS

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED AUGUST 16, 2021 BY GOLDER ASSOCIATES.
  2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM (FT-NAVD 88).
  3. DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.
  4. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.

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



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER  
 JULIETTE, GEORGIA



PROJECT  
**2021 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT**  
 PLANT SCHERER CELL 1 AND PAC ASH CELL

TITLE  
**POTENTIOMETRIC SURFACE MAP - PAC ASH**  
 AUGUST 16, 2021

CONSULTANT	YYYY-MM-DD	2021-09-29
 <b>GOLDER</b> MEMBER OF WSP	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

PROJECT No. 166235021 CONTROL 166235021AF002-GIS.mxd Rev. 0 FIGURE **3C**

Path: H:\186\Projects\166235021Southern Company Services\sumaf-gis\CONTOUR\_MAPS AUG 2021\166235021AF002-GIS.mxd

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

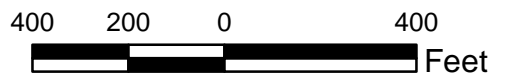


**LEGEND**

- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- CELL 3 MONITORING WELL
- PIEZOMETER
- SURFACE WATER SAMPLING LOCATION
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- STREAM
- PROPERTY BOUNDARY
- PONDS

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED AUGUST 16, 2021 BY GOLDER ASSOCIATES.
  2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM (FT-NAVD 88).
  3. DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.
  4. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.

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



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER  
 JULIETTE, GEORGIA



PROJECT  
 2021 ANNUAL GROUNDWATER MONITORING AND  
 CORRECTIVE ACTION REPORT  
 PLANT SCHERER CELL 1 AND PAC ASH CELL

TITLE  
**POTENTIOMETRIC SURFACE MAP - CELL 1**  
**AUGUST 16, 2021**

CONSULTANT	YYYY-MM-DD	2021-09-29
<b>GOLDER</b> MEMBER OF WSP	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

Path: H:\166235021\Projects\166235021\GIS\CONTOUR\_MAPS\AUG162021\166235021AF003-GIS.mxd

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



**APPENDIX A**

**FIELD DATA FORMS AND INSTRUMENT  
CALIBRATION FORMS**

**APPENDIX A**

**Field Data Forms  
March-April 2021**

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 3:37:47 PM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: GWC-1</b> <b>Well Diameter: 2 in Screen</b> <b>Length: 10 ft</b> <b>Top of Screen: 28.72 ft</b> <b>Total Depth: 38.72 ft</b> <b>Initial Depth to Water: 6.5 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 33 ft</b> <b>Pump Intake From TOC: 33 ft</b> <b>Estimated Total Volume Pumped: 4.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 4.8 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
---	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
4/1/2021 3:37 PM	00:00	6.58 pH	23.63 °C	172.30 µS/cm	4.63 mg/L	1.13 NTU	102.8 mV	6.50 ft	200.00 ml/min
4/1/2021 3:42 PM	05:00	6.56 pH	18.35 °C	187.77 µS/cm	5.13 mg/L	0.98 NTU	89.8 mV	6.90 ft	200.00 ml/min
4/1/2021 3:47 PM	10:00	6.54 pH	18.08 °C	189.26 µS/cm	5.20 mg/L	1.26 NTU	87.0 mV	6.90 ft	200.00 ml/min
4/1/2021 3:52 PM	15:00	6.52 pH	18.04 °C	189.14 µS/cm	5.26 mg/L	1.01 NTU	107.3 mV	6.90 ft	200.00 ml/min
4/1/2021 3:53 PM	15:59	6.52 pH	18.04 °C	190.31 µS/cm	5.28 mg/L		87.6 mV	6.90 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-1	

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 3:59:53 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: Gwc2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 58.74 ft</b>	<b>Estimated Total Volume Pumped:</b> <b>3.30 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 220 ml/min</b> <b>Final Draw Down: 16.32 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
---	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/1/2021 3:59 PM	00:00	7.56 pH	18.28 °C	166.88 µS/cm	2.87 mg/L	1.04 NTU	119.7 mV	10.78 ft	220.00 ml/min
4/1/2021 4:04 PM	05:00	7.41 pH	16.87 °C	168.69 µS/cm	2.65 mg/L	0.57 NTU	105.5 mV	12.04 ft	220.00 ml/min
4/1/2021 4:09 PM	10:00	7.36 pH	16.74 °C	169.66 µS/cm	2.59 mg/L	0.30 NTU	75.2 mV	12.16 ft	220.00 ml/min
4/1/2021 4:14 PM	15:00	7.32 pH	16.69 °C	168.50 µS/cm	2.58 mg/L	0.29 NTU	65.2 mV	12.14 ft	220.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/6/2021 10:16:54 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWC-3</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 40.16 ft</b> <b>Total Depth: 50.16 ft</b> <b>Initial Depth to Water: 36.71 ft</b>	<b>Pump Intake From TOC: 45 ft</b> <b>Estimated Total Volume Pumped: 11.9 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min Final</b> <b>Draw Down: 3.36 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/6/2021 10:16 AM	00:00	6.09 pH	19.33 °C	87.66 µS/cm	5.81 mg/L	27.90 NTU	157.4 mV	36.71 ft	240.00 ml/min
4/6/2021 10:21 AM	05:00	6.05 pH	18.89 °C	84.07 µS/cm	4.47 mg/L	14.60 NTU	110.2 mV	36.99 ft	240.00 ml/min
4/6/2021 10:26 AM	10:00	6.05 pH	19.11 °C	83.47 µS/cm	4.34 mg/L	13.90 NTU	100.2 mV	36.99 ft	240.00 ml/min
4/6/2021 10:31 AM	15:00	6.03 pH	19.23 °C	82.82 µS/cm	4.39 mg/L	10.78 NTU	97.0 mV	36.99 ft	240.00 ml/min
4/6/2021 10:36 AM	20:00	6.03 pH	19.31 °C	82.03 µS/cm	4.46 mg/L	12.47 NTU	94.4 mV	36.99 ft	140.00 ml/min
4/6/2021 10:41 AM	25:00	6.03 pH	20.16 °C	82.29 µS/cm	4.46 mg/L	13.10 NTU	89.8 mV	36.99 ft	140.00 ml/min
4/6/2021 10:46 AM	30:00	6.02 pH	20.35 °C	82.01 µS/cm	4.50 mg/L	6.23 NTU	92.8 mV	36.99 ft	140.00 ml/min
4/6/2021 10:51 AM	35:00	6.02 pH	20.44 °C	81.65 µS/cm	4.49 mg/L	7.14 NTU	92.2 mV	36.99 ft	100.00 ml/min
4/6/2021 10:56 AM	40:00	6.01 pH	20.80 °C	81.52 µS/cm	4.50 mg/L	7.68 NTU	92.0 mV	36.99 ft	100.00 ml/min
4/6/2021 11:01 AM	45:00	6.02 pH	21.15 °C	81.30 µS/cm	4.51 mg/L	5.34 NTU	91.5 mV	36.99 ft	100.00 ml/min
4/6/2021 11:06 AM	50:00	6.01 pH	21.18 °C	81.22 µS/cm	4.51 mg/L	8.52 NTU	91.3 mV	36.99 ft	100.00 ml/min
4/6/2021 11:11 AM	55:00	6.01 pH	21.17 °C	80.97 µS/cm	4.52 mg/L	5.38 NTU	90.7 mV	36.99 ft	100.00 ml/min
4/6/2021 11:16 AM	01:00:00	6.02 pH	21.38 °C	80.94 µS/cm	4.51 mg/L	6.04 NTU	90.4 mV	36.99 ft	100.00 ml/min
4/6/2021 11:21 AM	01:05:00	6.01 pH	21.61 °C	80.88 µS/cm	4.50 mg/L	5.14 NTU	90.4 mV	36.99 ft	100.00 ml/min
4/6/2021 11:26 AM	01:10:00	6.01 pH	21.82 °C	80.87 µS/cm	4.50 mg/L	5.70 NTU	90.3 mV	36.99 ft	100.00 ml/min
4/6/2021 11:31 AM	01:15:00	6.01 pH	21.91 °C	80.64 µS/cm	4.49 mg/L	5.63 NTU	89.6 mV	36.99 ft	100.00 ml/min

4/6/2021 11:36 AM	01:20:00	6.00 pH	22.17 °C	80.66 µS/cm	4.47 mg/L	5.24 NTU	90.1 mV	36.99 ft	100.00 ml/min
4/6/2021 11:41 AM	01:25:00	6.01 pH	22.27 °C	80.52 µS/cm	4.47 mg/L	4.35 NTU	89.9 mV	36.99 ft	100.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/2/2021 11:11:31 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWC-4</b> <b>Well Diameter: 2 ft</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 33.41 ft</b> <b>Total Depth: 43.41 ft</b>	<b>Pump Intake From TOC: 38 ft</b> <b>Estimated Total Volume Pumped: 7.70 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 220 ml/min</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
---	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/2/2021 11:11 AM	00:00	6.21 pH	17.15 °C	172.78 µS/cm	5.30 mg/L	15.00 NTU	133.2 mV	29.98 ft	220.00 ml/min
4/2/2021 11:16 AM	05:00	6.31 pH	17.14 °C	175.59 µS/cm	4.42 mg/L	11.23 NTU	95.0 mV	31.56 ft	220.00 ml/min
4/2/2021 11:21 AM	10:00	6.33 pH	17.39 °C	175.57 µS/cm	4.56 mg/L	13.61 NTU	82.1 mV	31.64 ft	220.00 ml/min
4/2/2021 11:26 AM	15:00	6.34 pH	17.41 °C	176.75 µS/cm	4.65 mg/L	10.08 NTU	95.3 mV	31.64 ft	220.00 ml/min
4/2/2021 11:31 AM	20:00	6.35 pH	17.50 °C	175.82 µS/cm	4.73 mg/L	9.53 NTU	75.1 mV	31.64 ft	220.00 ml/min
4/2/2021 11:36 AM	25:00	6.35 pH	17.59 °C	177.04 µS/cm	4.71 mg/L	6.71 NTU	90.4 mV	31.64 ft	220.00 ml/min
4/2/2021 11:41 AM	30:00	6.34 pH	17.59 °C	175.65 µS/cm	4.77 mg/L	6.10 NTU	73.1 mV	31.64 ft	220.00 ml/min
4/2/2021 11:46 AM	35:00	6.35 pH	17.65 °C	175.53 µS/cm	4.71 mg/L	3.96 NTU	70.4 mV	31.64 ft	220.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 2:00:20 PM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-5</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 24.16 ft</b> <b>Total Depth: 34.16 ft</b> <b>Initial Depth to Water: 17.8 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene Pump</b> <b>Intake From TOC: 29 ft</b> <b>Estimated Total Volume Pumped: 3.6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 180 ml/min Final Draw Down: 1.92 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/1/2021 2:00 PM	00:00	6.71 pH	23.70 °C	393.74 µS/cm	5.82 mg/L		60.3 mV	17.80 ft	180.00 ml/min
4/1/2021 2:05 PM	05:00	6.05 pH	18.26 °C	433.23 µS/cm	3.41 mg/L	0.67 NTU	54.9 mV	17.95 ft	180.00 ml/min
4/1/2021 2:10 PM	10:00	6.04 pH	17.96 °C	436.28 µS/cm	3.31 mg/L	0.52 NTU	61.4 mV	17.95 ft	180.00 ml/min
4/1/2021 2:15 PM	15:00	6.03 pH	17.68 °C	436.89 µS/cm	3.28 mg/L	0.83 NTU	58.2 mV	17.96 ft	180.00 ml/min
4/1/2021 2:20 PM	20:00	6.01 pH	17.63 °C	438.83 µS/cm	3.23 mg/L	1.09 NTU	67.0 mV	17.96 ft	180.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------



# Low-Flow Test Report:

**Test Date / Time:** 4/5/2021 3:00:28 PM

**Project:** Plant Scherer

**Operator Name:** Erik Rheams

<b>Location Name: GWC-6</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 38.5 ft</b> <b>Total Depth: 48.5 ft</b> <b>Initial Depth to Water: 36.94 ft</b>	<b>Pump Intake From TOC: 43 ft</b> <b>Estimated Total Volume Pumped: 15.7 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 0.60 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/5/2021 3:00 PM	00:00	6.50 pH	22.94 °C	185.44 µS/cm	6.54 mg/L	25.80 NTU	127.8 mV	36.94 ft	200.00 ml/min
4/5/2021 3:05 PM	05:00	6.43 pH	19.53 °C	187.69 µS/cm	6.72 mg/L	29.30 NTU	90.9 mV	36.97 ft	200.00 ml/min
4/5/2021 3:10 PM	10:00	6.43 pH	19.27 °C	183.44 µS/cm	6.73 mg/L	25.80 NTU	100.7 mV	36.97 ft	200.00 ml/min
4/5/2021 3:15 PM	15:00	6.43 pH	19.15 °C	176.70 µS/cm	6.75 mg/L	31.90 NTU	77.1 mV	36.97 ft	200.00 ml/min
4/5/2021 3:20 PM	20:00	6.42 pH	19.15 °C	174.26 µS/cm	6.76 mg/L	21.50 NTU	75.5 mV	36.97 ft	200.00 ml/min
4/5/2021 3:25 PM	25:00	6.41 pH	19.18 °C	171.83 µS/cm	6.72 mg/L	22.10 NTU	72.8 mV	36.99 ft	200.00 ml/min
4/5/2021 3:30 PM	30:00	6.40 pH	19.13 °C	171.14 µS/cm	6.71 mg/L	19.90 NTU	73.9 mV	36.99 ft	200.00 ml/min
4/5/2021 3:35 PM	35:00	6.40 pH	19.12 °C	171.37 µS/cm	6.71 mg/L	13.00 NTU	90.4 mV	36.99 ft	200.00 ml/min
4/5/2021 3:40 PM	40:00	6.39 pH	19.14 °C	169.21 µS/cm	6.68 mg/L	11.69 NTU	72.0 mV	36.99 ft	200.00 ml/min
4/5/2021 3:45 PM	45:00	6.40 pH	19.10 °C	169.29 µS/cm	6.68 mg/L	11.23 NTU	71.1 mV	36.99 ft	140.00 ml/min
4/5/2021 3:50 PM	50:00	6.39 pH	19.10 °C	169.19 µS/cm	6.67 mg/L	12.40 NTU	89.6 mV	36.99 ft	140.00 ml/min
4/5/2021 3:55 PM	55:00	6.39 pH	19.08 °C	168.13 µS/cm	6.65 mg/L	9.31 NTU	72.0 mV	36.99 ft	140.00 ml/min
4/5/2021 4:00 PM	01:00:00	6.38 pH	19.08 °C	168.37 µS/cm	6.66 mg/L	7.09 NTU	89.7 mV	36.99 ft	140.00 ml/min
4/5/2021 4:05 PM	01:05:00	6.38 pH	19.10 °C	167.93 µS/cm	6.66 mg/L	9.52 NTU	72.0 mV	36.99 ft	140.00 ml/min
4/5/2021 4:10 PM	01:10:00	6.38 pH	19.08 °C	167.01 µS/cm	6.67 mg/L	10.93 NTU	70.7 mV	36.99 ft	140.00 ml/min
4/5/2021 4:15 PM	01:15:00	6.38 pH	19.09 °C	166.68 µS/cm	6.69 mg/L	12.06 NTU	71.1 mV	36.99 ft	100.00 ml/min

4/5/2021 4:20 PM	01:20:00	6.36 pH	19.90 °C	167.80 µS/cm	6.60 mg/L	5.67 NTU	71.0 mV	36.99 ft	100.00 ml/min
4/5/2021 4:25 PM	01:25:00	6.36 pH	20.04 °C	165.44 µS/cm	6.52 mg/L	6.95 NTU	72.8 mV	36.99 ft	100.00 ml/min
4/5/2021 4:30 PM	01:30:00	6.36 pH	20.04 °C	165.07 µS/cm	6.53 mg/L	6.94 NTU	71.1 mV	36.99 ft	100.00 ml/min
4/5/2021 4:35 PM	01:35:00	6.36 pH	19.86 °C	165.15 µS/cm	6.57 mg/L	5.49 NTU	70.5 mV	36.99 ft	100.00 ml/min
4/5/2021 4:40 PM	01:40:00	6.36 pH	19.86 °C	164.99 µS/cm	6.57 mg/L	3.95 NTU	70.1 mV	36.99 ft	100.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 2:23:17 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWC-7</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 58.72 ft</b> <b>Initial Depth to Water: 41.38 ft</b>	<b>Estimated Total Volume Pumped: 2.20 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 220 ml/min</b> <b>Final Draw Down: 5.76 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
---	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/1/2021 2:23 PM	00:00	6.42 pH	20.48 °C	153.29 µS/cm	6.59 mg/L	7.70 NTU	116.6 mV	41.38 ft	220.00 ml/min
4/1/2021 2:28 PM	05:00	6.39 pH	18.21 °C	151.17 µS/cm	6.43 mg/L	4.78 NTU	89.9 mV	41.84 ft	220.00 ml/min
4/1/2021 2:33 PM	10:00	6.40 pH	18.03 °C	150.69 µS/cm	6.41 mg/L	3.49 NTU	82.2 mV	41.86 ft	220.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 12:52:45 PM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-8A</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 37.5 ft</b> <b>Total Depth: 47.5 ft</b> <b>Initial Depth to Water: 21.79 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 42.5 ft</b> <b>Estimated Total Volume Pumped: 3.5 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 175 ml/min Final Draw Down: 4.68 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
4/1/2021 12:52 PM	00:00	6.34 pH	20.23 °C	467.31 µS/cm	4.71 mg/L		54.0 mV	21.79 ft	175.00 ml/min
4/1/2021 12:57 PM	05:00	6.25 pH	18.08 °C	581.07 µS/cm	0.56 mg/L	1.77 NTU	46.3 mV	22.18 ft	175.00 ml/min
4/1/2021 1:02 PM	10:00	6.27 pH	18.29 °C	582.30 µS/cm	0.58 mg/L	1.28 NTU	42.1 mV	22.18 ft	175.00 ml/min
4/1/2021 1:07 PM	15:00	6.28 pH	18.22 °C	572.57 µS/cm	0.45 mg/L	1.22 NTU	42.1 mV	22.18 ft	175.00 ml/min
4/1/2021 1:12 PM	20:00	6.28 pH	17.95 °C	577.78 µS/cm	0.46 mg/L	0.50 NTU	40.9 mV	22.18 ft	175.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 10:30:56 AM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-8A</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 37.5 ft</b> <b>Total Depth: 47.5 ft</b> <b>Initial Depth to Water: 21.86 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 42.5 ft</b> <b>Estimated Total Volume Pumped: 50.05 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 350 ml/min</b> <b>Final Draw Down: 8.52 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/5/2021 10:30 AM	00:00	6.31 pH	22.32 °C	544.49 µS/cm	1.96 mg/L		48.5 mV	21.86 ft	350.00 ml/min
4/5/2021 10:35 AM	05:00	6.26 pH	20.57 °C	566.19 µS/cm	0.33 mg/L	1.08 NTU	40.8 mV	22.19 ft	350.00 ml/min
4/5/2021 10:40 AM	10:00	6.29 pH	20.51 °C	554.02 µS/cm	0.21 mg/L	0.96 NTU	37.2 mV	22.25 ft	350.00 ml/min
4/5/2021 10:45 AM	15:00	6.30 pH	20.40 °C	549.67 µS/cm	0.14 mg/L	0.77 NTU	36.5 mV	22.35 ft	350.00 ml/min
4/5/2021 10:50 AM	20:00	6.30 pH	20.33 °C	543.70 µS/cm	0.11 mg/L	0.71 NTU	36.0 mV	22.47 ft	350.00 ml/min
4/5/2021 10:55 AM	25:00	6.31 pH	20.33 °C	543.82 µS/cm	0.09 mg/L	0.69 NTU	35.3 mV	22.58 ft	350.00 ml/min
4/5/2021 11:00 AM	30:00	6.32 pH	20.40 °C	535.37 µS/cm	0.08 mg/L	0.61 NTU	35.1 mV	22.58 ft	350.00 ml/min
4/5/2021 11:05 AM	35:00	6.33 pH	20.40 °C	534.91 µS/cm	0.08 mg/L	0.84 NTU	34.8 mV	22.58 ft	350.00 ml/min
4/5/2021 11:10 AM	40:00	6.32 pH	20.43 °C	531.49 µS/cm	0.08 mg/L	0.88 NTU	35.1 mV	22.58 ft	350.00 ml/min
4/5/2021 11:15 AM	45:00	6.33 pH	20.44 °C	531.01 µS/cm	0.08 mg/L	0.92 NTU	34.8 mV	22.58 ft	350.00 ml/min
4/5/2021 11:20 AM	50:00	6.32 pH	20.48 °C	533.03 µS/cm	0.07 mg/L	0.75 NTU	34.8 mV	22.58 ft	350.00 ml/min
4/5/2021 11:25 AM	55:00	6.33 pH	20.50 °C	528.61 µS/cm	0.07 mg/L	0.60 NTU	34.8 mV	22.58 ft	350.00 ml/min
4/5/2021 11:30 AM	01:00:00	6.33 pH	20.48 °C	525.95 µS/cm	0.07 mg/L	0.67 NTU	35.0 mV	22.58 ft	350.00 ml/min
4/5/2021 11:35 AM	01:05:00	6.33 pH	20.61 °C	527.11 µS/cm	0.07 mg/L	0.54 NTU	34.6 mV	22.58 ft	350.00 ml/min
4/5/2021 11:40 AM	01:10:00	6.33 pH	20.57 °C	525.65 µS/cm	0.07 mg/L	0.32 NTU	34.9 mV	22.57 ft	350.00 ml/min

4/5/2021 11:44 AM	01:13:28	6.33 pH	20.62 °C	522.53 µS/cm	0.07 mg/L	0.48 NTU	36.0 mV	22.57 ft	350.00 ml/min
4/5/2021 11:49 AM	01:18:28	6.34 pH	20.59 °C	524.55 µS/cm	0.07 mg/L	0.56 NTU	34.5 mV	22.57 ft	350.00 ml/min
4/5/2021 11:54 AM	01:23:28	6.33 pH	20.61 °C	525.49 µS/cm	0.07 mg/L	0.58 NTU	34.6 mV	22.56 ft	350.00 ml/min
4/5/2021 11:59 AM	01:28:28	6.33 pH	20.63 °C	522.85 µS/cm	0.06 mg/L	0.51 NTU	34.8 mV	22.56 ft	350.00 ml/min
4/5/2021 12:04 PM	01:33:28	6.35 pH	20.62 °C	520.14 µS/cm	0.07 mg/L	0.79 NTU	34.5 mV	22.56 ft	350.00 ml/min
4/5/2021 12:09 PM	01:38:28	6.35 pH	20.48 °C	520.80 µS/cm	0.06 mg/L	0.56 NTU	34.5 mV	22.57 ft	350.00 ml/min
4/5/2021 12:14 PM	01:43:28	6.34 pH	20.53 °C	518.50 µS/cm	0.06 mg/L	0.45 NTU	35.2 mV	22.57 ft	350.00 ml/min
4/5/2021 12:19 PM	01:48:28	6.34 pH	20.57 °C	519.54 µS/cm	0.06 mg/L	0.59 NTU	35.2 mV	22.57 ft	350.00 ml/min
4/5/2021 12:24 PM	01:53:28	6.34 pH	20.57 °C	522.75 µS/cm	0.06 mg/L	0.85 NTU	35.0 mV	22.57 ft	350.00 ml/min
4/5/2021 12:29 PM	01:58:28	6.35 pH	20.62 °C	519.34 µS/cm	0.06 mg/L	0.66 NTU	35.1 mV	22.57 ft	350.00 ml/min
4/5/2021 12:34 PM	02:03:28	6.35 pH	20.66 °C	518.92 µS/cm	0.06 mg/L	0.54 NTU	34.9 mV	22.57 ft	350.00 ml/min
4/5/2021 12:39 PM	02:08:28	6.35 pH	20.62 °C	517.63 µS/cm	0.06 mg/L	0.78 NTU	35.2 mV	22.57 ft	350.00 ml/min
4/5/2021 12:44 PM	02:13:28	6.36 pH	20.65 °C	514.96 µS/cm	0.06 mg/L	0.84 NTU	35.1 mV	22.57 ft	350.00 ml/min
4/5/2021 12:49 PM	02:18:28	6.35 pH	20.57 °C	519.15 µS/cm	0.06 mg/L	1.01 NTU	35.3 mV	22.57 ft	350.00 ml/min
4/5/2021 12:54 PM	02:23:28	6.35 pH	20.55 °C	517.46 µS/cm	0.06 mg/L	0.81 NTU	35.4 mV	22.57 ft	350.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 11:48:01 AM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-9</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 10.25 ft</b> <b>Total Depth: 20.25 ft</b> <b>Initial Depth to Water: 6.01 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 15 ft</b> <b>Estimated Total Volume Pumped: 4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 5.64 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
4/1/2021 11:48 AM	00:00	7.32 pH	15.71 °C	312.55 µS/cm	5.40 mg/L		128.2 mV	6.01 ft	200.00 ml/min
4/1/2021 11:53 AM	05:00	6.35 pH	14.74 °C	191.58 µS/cm	0.41 mg/L	4.34 NTU	80.7 mV	6.42 ft	200.00 ml/min
4/1/2021 11:58 AM	10:00	6.29 pH	14.76 °C	190.08 µS/cm	0.36 mg/L	3.69 NTU	81.6 mV	6.47 ft	200.00 ml/min
4/1/2021 12:03 PM	15:00	6.26 pH	14.76 °C	189.81 µS/cm	0.34 mg/L	3.12 NTU	62.4 mV	6.48 ft	200.00 ml/min
4/1/2021 12:08 PM	20:00	6.28 pH	14.70 °C	190.50 µS/cm	0.41 mg/L	2.68 NTU	72.2 mV	6.48 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 3:38:31 PM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-10</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.65 ft</b> <b>Total Depth: 40.65 ft</b> <b>Initial Depth to Water: 9.26 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 9 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 2.88 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/1/2021 3:38 PM	00:00	6.81 pH	23.80 °C	185.46 µS/cm	5.30 mg/L		69.4 mV	9.26 ft	200.00 ml/min
4/1/2021 3:43 PM	05:00	6.39 pH	17.73 °C	202.32 µS/cm	2.73 mg/L	0.68 NTU	74.4 mV	9.49 ft	200.00 ml/min
4/1/2021 3:48 PM	10:00	6.39 pH	17.37 °C	202.52 µS/cm	2.64 mg/L	1.08 NTU	65.0 mV	9.49 ft	200.00 ml/min
4/1/2021 3:53 PM	15:00	6.36 pH	17.06 °C	204.07 µS/cm	2.54 mg/L	0.82 NTU	64.4 mV	9.49 ft	200.00 ml/min
4/1/2021 3:58 PM	20:00	6.35 pH	17.45 °C	201.79 µS/cm	2.28 mg/L	0.90 NTU	73.5 mV	9.49 ft	200.00 ml/min
4/1/2021 4:03 PM	25:00	6.35 pH	17.23 °C	202.17 µS/cm	2.11 mg/L	0.73 NTU	64.1 mV	9.49 ft	200.00 ml/min
4/1/2021 4:08 PM	30:00	6.35 pH	17.36 °C	201.89 µS/cm	2.06 mg/L	0.88 NTU	73.5 mV	9.50 ft	200.00 ml/min
4/1/2021 4:13 PM	35:00	6.35 pH	17.37 °C	202.42 µS/cm	1.82 mg/L	0.71 NTU	63.6 mV	9.50 ft	200.00 ml/min
4/1/2021 4:18 PM	40:00	6.34 pH	16.25 °C	203.58 µS/cm	1.86 mg/L	0.72 NTU	73.8 mV	9.50 ft	200.00 ml/min
4/1/2021 4:23 PM	45:00	6.35 pH	16.07 °C	202.83 µS/cm	1.98 mg/L	0.87 NTU	64.5 mV	9.50 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------



# Low-Flow Test Report:

Test Date / Time: 4/1/2021 1:24:36 PM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: GWC-11</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 24.54 ft</b> <b>Total Depth: 34.54 ft</b> <b>Initial Depth to Water: 16.14 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 29 ft</b> <b>Pump Intake From TOC: 29 ft</b> <b>Estimated Total Volume Pumped: 3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.92 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
4/1/2021 1:24 PM	00:00	6.05 pH	16.51 °C	136.00 µS/cm	1.70 mg/L	0.79 NTU	104.7 mV	16.14 ft	200.00 ml/min
4/1/2021 1:29 PM	05:00	6.11 pH	17.04 °C	137.56 µS/cm	0.94 mg/L	0.77 NTU	91.0 mV	16.30 ft	200.00 ml/min
4/1/2021 1:34 PM	10:00	6.12 pH	17.19 °C	136.80 µS/cm	0.90 mg/L	0.81 NTU	86.4 mV	16.30 ft	200.00 ml/min
4/1/2021 1:39 PM	15:00	6.11 pH	17.18 °C	136.73 µS/cm	0.94 mg/L	0.84 NTU	83.5 mV	16.30 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-11	

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 11:55:48 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: GWC-12</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 27.82 ft</b> <b>Total Depth: 37.82 ft</b> <b>Depth to Water: 22.78 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 32 ft</b> <b>Pump Intake From TOC: 32 ft</b> <b>Estimated Total Volume Pumped: 3.75 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 3.84 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
4/1/2021 11:55 AM	00:00	5.21 pH	15.57 °C	29.31 µS/cm	4.45 mg/L	1.10 NTU	102.3 mV	22.78 ft	150.00 ml/min
4/1/2021 12:00 PM	05:00	5.20 pH	16.92 °C	28.42 µS/cm	4.08 mg/L	1.00 NTU	95.3 mV	23.10 ft	150.00 ml/min
4/1/2021 12:05 PM	10:00	5.20 pH	16.92 °C	28.10 µS/cm	4.14 mg/L	0.85 NTU	97.0 mV	23.10 ft	150.00 ml/min
4/1/2021 12:10 PM	15:00	5.19 pH	16.79 °C	28.09 µS/cm	4.04 mg/L	0.65 NTU	97.1 mV	23.10 ft	150.00 ml/min
4/1/2021 12:15 PM	20:00	5.18 pH	17.16 °C	27.86 µS/cm	3.71 mg/L	0.79 NTU	94.4 mV	23.10 ft	150.00 ml/min
4/1/2021 12:20 PM	25:00	5.18 pH	17.01 °C	27.98 µS/cm	3.75 mg/L	0.68 NTU	89.0 mV	23.10 ft	150.00 ml/min

## Samples

Sample ID:	Description:
GWC-12	

# Low-Flow Test Report:

Test Date / Time: 4/6/2021 2:39:10 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWC-13</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 34.2 ft</b> <b>Total Depth: 44.2 ft</b> <b>Initial Depth to Water: 28.13 ft</b>	<b>Pump Intake From TOC: 39 ft</b> <b>Estimated Total Volume Pumped: 5.20 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 260 ml/min</b> <b>Final Draw Down: 3.00 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
---	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/6/2021 2:39 PM	00:00	5.92 pH	21.78 °C	78.86 µS/cm	5.19 mg/L	34.80 NTU	275.5 mV	28.13 ft	260.00 ml/min
4/6/2021 2:44 PM	05:00	5.92 pH	19.15 °C	79.91 µS/cm	4.29 mg/L	17.00 NTU	197.6 mV	28.38 ft	260.00 ml/min
4/6/2021 2:49 PM	10:00	5.94 pH	18.90 °C	82.78 µS/cm	4.12 mg/L	9.21 NTU	172.7 mV	28.38 ft	260.00 ml/min
4/6/2021 2:54 PM	15:00	5.95 pH	18.97 °C	84.92 µS/cm	3.93 mg/L	5.39 NTU	155.8 mV	28.38 ft	260.00 ml/min
4/6/2021 2:59 PM	20:00	5.95 pH	18.94 °C	85.40 µS/cm	3.84 mg/L	2.90 NTU	138.8 mV	28.38 ft	260.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 10:32:34 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: GWC-14</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 17.5 ft</b> <b>Total Depth: 27.5 ft</b> <b>Initial Depth to Water: 10.9 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 22 ft</b> <b>Pump Intake From TOC: 22 ft</b> <b>Estimated Total Volume Pumped: 3 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.2 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
---	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
4/1/2021 10:32 AM	00:00	6.00 pH	22.58 °C	0.22 µS/cm	8.37 mg/L	2.40 NTU	69.0 mV	10.90 ft	200.00 ml/min
4/1/2021 10:37 AM	05:00	5.51 pH	16.49 °C	67.70 µS/cm	2.33 mg/L	0.68 NTU	85.3 mV	11.00 ft	200.00 ml/min
4/1/2021 10:42 AM	10:00	5.52 pH	16.02 °C	68.44 µS/cm	2.23 mg/L	0.72 NTU	84.2 mV	11.00 ft	200.00 ml/min
4/1/2021 10:47 AM	15:00	5.53 pH	16.11 °C	69.07 µS/cm	2.22 mg/L	0.78 NTU	83.5 mV	11.00 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-14	

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 9:36:03 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: GWA-15</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 19.59 ft</b> <b>Total Depth: 29.59 ft</b> <b>Initial Depth to Water: 9.1 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 24 ft</b> <b>Pump Intake From TOC: 24 ft</b> <b>Estimated Total Volume Pumped: 3 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 3.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
4/1/2021 9:36 AM	00:00	6.08 pH	15.93 °C	92.82 µS/cm	2.06 mg/L	2.00 NTU	130.5 mV	9.10 ft	200.00 ml/min
4/1/2021 9:41 AM	05:00	5.27 pH	15.84 °C	66.99 µS/cm	0.16 mg/L	1.16 NTU	90.2 mV	9.40 ft	200.00 ml/min
4/1/2021 9:46 AM	10:00	5.28 pH	15.93 °C	65.59 µS/cm	0.11 mg/L	0.91 NTU	78.4 mV	9.40 ft	200.00 ml/min
4/1/2021 9:51 AM	15:00	5.31 pH	15.93 °C	65.12 µS/cm	0.09 mg/L	0.88 NTU	72.8 mV	9.40 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-15	

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 9:45:59 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWA-16</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 57.93 ft</b> <b>Initial Depth to Water: 30.18 ft</b>	<b>Estimated Total Volume Pumped: 14.40 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 240 ml/min</b> <b>Final Draw Down: 3.60 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/1/2021 9:45 AM	00:00	6.70 pH	16.02 °C	119.88 µS/cm	6.19 mg/L	93.00 NTU	151.5 mV	30.18 ft	240.00 ml/min
4/1/2021 9:50 AM	05:00	6.44 pH	16.78 °C	114.79 µS/cm	5.98 mg/L	41.70 NTU	117.3 mV	30.38 ft	240.00 ml/min
4/1/2021 9:55 AM	10:00	6.40 pH	16.96 °C	114.79 µS/cm	5.95 mg/L	30.30 NTU	126.4 mV	30.48 ft	240.00 ml/min
4/1/2021 10:00 AM	15:00	6.40 pH	16.88 °C	113.86 µS/cm	6.05 mg/L	21.40 NTU	128.1 mV	30.48 ft	240.00 ml/min
4/1/2021 10:05 AM	20:00	6.41 pH	16.92 °C	113.33 µS/cm	6.10 mg/L	19.70 NTU	107.5 mV	30.48 ft	240.00 ml/min
4/1/2021 10:10 AM	25:00	6.41 pH	17.19 °C	113.75 µS/cm	6.07 mg/L	13.50 NTU	105.5 mV	30.48 ft	240.00 ml/min
4/1/2021 10:15 AM	30:00	6.42 pH	17.20 °C	114.40 µS/cm	6.04 mg/L	10.36 NTU	100.1 mV	30.48 ft	240.00 ml/min
4/1/2021 10:20 AM	35:00	6.43 pH	17.32 °C	115.00 µS/cm	6.00 mg/L	11.14 NTU	97.4 mV	30.48 ft	240.00 ml/min
4/1/2021 10:25 AM	40:00	6.43 pH	17.38 °C	114.76 µS/cm	6.01 mg/L	6.97 NTU	99.7 mV	30.48 ft	240.00 ml/min
4/1/2021 10:30 AM	45:00	6.44 pH	17.47 °C	115.11 µS/cm	6.01 mg/L	7.50 NTU	97.5 mV	30.48 ft	240.00 ml/min
4/1/2021 10:35 AM	50:00	6.44 pH	17.57 °C	115.00 µS/cm	6.00 mg/L	6.34 NTU	95.9 mV	30.48 ft	240.00 ml/min
4/1/2021 10:40 AM	55:00	6.44 pH	17.28 °C	114.90 µS/cm	5.99 mg/L	5.99 NTU	95.5 mV	30.48 ft	240.00 ml/min
4/1/2021 10:45 AM	01:00:00	6.44 pH	17.20 °C	115.04 µS/cm	6.00 mg/L	4.85 NTU	94.2 mV	30.48 ft	240.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 12:53:49 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWA17</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 46.76 ft</b> <b>Initial Depth to Water: 28.93 ft</b>	<b>Estimated Total Volume Pumped: 7800 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 260 ml/min</b> <b>Final Draw Down: 3.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
---	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/1/2021 12:53 PM	00:00	6.08 pH	19.86 °C	78.37 µS/cm	6.36 mg/L	10.09 NTU	129.7 mV	28.93 ft	260.00 ml/min
4/1/2021 12:58 PM	05:00	6.06 pH	18.21 °C	80.13 µS/cm	7.26 mg/L	7.22 NTU	136.8 mV	29.23 ft	260.00 ml/min
4/1/2021 1:03 PM	10:00	6.06 pH	18.25 °C	81.37 µS/cm	7.17 mg/L	5.23 NTU	131.1 mV	29.25 ft	260.00 ml/min
4/1/2021 1:08 PM	15:00	6.08 pH	18.23 °C	83.28 µS/cm	7.08 mg/L	5.33 NTU	127.3 mV	29.23 ft	260.00 ml/min
4/1/2021 1:13 PM	20:00	6.09 pH	18.23 °C	86.47 µS/cm	7.05 mg/L	5.60 NTU	124.3 mV	29.23 ft	260.00 ml/min
4/1/2021 1:18 PM	25:00	6.13 pH	18.08 °C	89.15 µS/cm	7.00 mg/L	3.15 NTU	97.7 mV	29.23 ft	260.00 ml/min
4/1/2021 1:23 PM	30:00	6.14 pH	18.03 °C	90.64 µS/cm	6.93 mg/L	2.45 NTU	94.7 mV	29.23 ft	260.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 11:40:52 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWC-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 71.25 m</b> <b>Initial Depth to Water: 32.56 ft</b>	<b>Estimated Total Volume Pumped:</b> <b>3.90 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 260 ml/min</b> <b>Final Draw Down: 11.28 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
---	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/1/2021 11:40 AM	00:00	6.39 pH	19.15 °C	113.95 µS/cm	5.39 mg/L	3.29 NTU	85.5 mV	32.56 ft	260.00 ml/min
4/1/2021 11:45 AM	05:00	6.36 pH	17.85 °C	112.61 µS/cm	6.12 mg/L	2.18 NTU	82.5 mV	33.39 ft	260.00 ml/min
4/1/2021 11:50 AM	10:00	6.37 pH	17.90 °C	113.74 µS/cm	6.48 mg/L	1.64 NTU	82.7 mV	33.50 ft	260.00 ml/min
4/1/2021 11:55 AM	15:00	6.37 pH	17.85 °C	114.10 µS/cm	6.62 mg/L	1.72 NTU	82.3 mV	33.50 ft	260.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------



# Low-Flow Test Report:

Test Date / Time: 4/5/2021 12:29:17 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.75 ft</b> <b>Total Depth: 62.75 ft</b> <b>Initial Depth to Water: 36.2 ft</b>	<b>Pump Intake From TOC: 57 ft</b> <b>Estimated Total Volume Pumped: 5.60 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 280 ml/min</b> <b>Final Draw Down: 19.56 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/5/2021 12:29 PM	00:00	6.70 pH	25.17 °C	175.94 µS/cm	6.56 mg/L	6.51 NTU	98.1 mV	36.20 ft	280.00 ml/min
4/5/2021 12:34 PM	05:00	6.41 pH	20.44 °C	166.66 µS/cm	5.61 mg/L	1.74 NTU	77.1 mV	37.62 ft	280.00 ml/min
4/5/2021 12:39 PM	10:00	6.39 pH	20.40 °C	167.28 µS/cm	5.50 mg/L	0.95 NTU	71.1 mV	37.83 ft	280.00 ml/min
4/5/2021 12:44 PM	15:00	6.38 pH	20.22 °C	167.19 µS/cm	5.42 mg/L	0.73 NTU	88.5 mV	37.83 ft	280.00 ml/min
4/5/2021 12:48 PM	18:44	6.37 pH	20.30 °C	166.93 µS/cm	5.38 mg/L	0.55 NTU	47.8 mV	37.83 ft	280.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 11:29:45 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: GWC-20</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 62.7 ft</b> <b>Total Depth: 72.7 ft</b> <b>Initial Depth to Water: 43.68 ft</b>	<b>Pump Intake From TOC: 67 ft</b> <b>Estimated Total Volume Pumped: 4.80 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 240 ml/min</b> <b>Final Draw Down: 3.24 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/5/2021 11:29 AM	00:00	6.68 pH	22.13 °C	141.69 µS/cm	4.09 mg/L	3.79 NTU	103.9 mV	43.68 ft	240.00 ml/min
4/5/2021 11:34 AM	05:00	6.60 pH	19.43 °C	135.71 µS/cm	4.54 mg/L	1.58 NTU	78.0 mV	43.93 ft	240.00 ml/min
4/5/2021 11:39 AM	10:00	6.63 pH	19.35 °C	137.08 µS/cm	6.37 mg/L	0.85 NTU	74.2 mV	43.96 ft	240.00 ml/min
4/5/2021 11:44 AM	15:00	6.63 pH	19.33 °C	137.84 µS/cm	6.89 mg/L	0.87 NTU	92.2 mV	43.95 ft	240.00 ml/min
4/5/2021 11:49 AM	20:00	6.64 pH	19.35 °C	136.17 µS/cm	7.03 mg/L	1.48 NTU	72.3 mV	43.95 ft	240.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/2/2021 11:51:52 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: GWA-21</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 206 ft</b> <b>Initial Depth to Water: 2.51 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 15.6 ft</b> <b>Estimated Total Volume Pumped: 3 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 5.52 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/2/2021 11:51 AM	00:00	6.37 pH	22.18 °C	110.10 µS/cm	5.52 mg/L	0.44 NTU	128.3 mV	2.51 ft	200.00 ml/min
4/2/2021 11:56 AM	05:00	6.06 pH	16.11 °C	125.43 µS/cm	5.14 mg/L	0.65 NTU	84.0 mV	2.92 ft	200.00 ml/min
4/2/2021 12:01 PM	10:00	6.04 pH	15.94 °C	126.62 µS/cm	5.06 mg/L	0.99 NTU	76.7 mV	2.95 ft	200.00 ml/min
4/2/2021 12:06 PM	15:00	6.03 pH	16.11 °C	124.93 µS/cm	4.83 mg/L	0.64 NTU	74.8 mV	2.97 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/2/2021 11:02:21 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: GWA-22</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 42.5 ft</b> <b>Initial Depth to Water: 20.8 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 37.5 ft</b> <b>Estimated Total Volume Pumped: 3.4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 6.60 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
---	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/2/2021 11:02 AM	00:00	6.96 pH	16.77 °C	97.32 µS/cm	8.76 mg/L	0.85 NTU	101.3 mV	20.80 ft	200.00 ml/min
4/2/2021 11:07 AM	05:00	6.12 pH	17.56 °C	107.41 µS/cm	4.61 mg/L	0.85 NTU	78.5 mV	21.35 ft	200.00 ml/min
4/2/2021 11:12 AM	10:00	6.07 pH	17.79 °C	103.50 µS/cm	4.61 mg/L	0.53 NTU	75.0 mV	21.37 ft	200.00 ml/min
4/2/2021 11:17 AM	15:00	6.05 pH	17.79 °C	102.79 µS/cm	4.56 mg/L	0.53 NTU	73.2 mV	21.35 ft	200.00 ml/min
4/2/2021 11:18 AM	16:35	6.06 pH	17.67 °C	102.21 µS/cm	4.60 mg/L	0.53 NTU	75.7 mV	21.35 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/6/2021 1:33:48 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: Gwc-29</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 17 ft</b> <b>Total Depth: 27 ft</b> <b>Initial Depth to Water: 5.36 ft</b>	<b>Pump Intake From TOC: 22 ft</b> <b>Estimated Total Volume Pumped: 3.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 2.52 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/6/2021 1:33 PM	00:00	6.36 pH	18.28 °C	167.22 µS/cm	0.19 mg/L	0.53 NTU	435.0 mV	5.36 ft	200.00 ml/min
4/6/2021 1:38 PM	05:00	6.35 pH	18.36 °C	167.41 µS/cm	0.17 mg/L	0.10 NTU	433.3 mV	5.57 ft	200.00 ml/min
4/6/2021 1:43 PM	10:00	6.33 pH	18.35 °C	167.77 µS/cm	0.16 mg/L	0.14 NTU	433.7 mV	5.57 ft	200.00 ml/min
4/6/2021 1:48 PM	15:00	6.30 pH	18.48 °C	167.56 µS/cm	0.16 mg/L	0.10 NTU	433.3 mV	5.57 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/2/2021 11:10:59 AM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWA-45</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 26 ft</b> <b>Total Depth: 36 ft</b> <b>Initial Depth to Water: 12.38 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 31 ft</b> <b>Estimated Total Volume Pumped: 3 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min Final Draw Down: 8.52 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/2/2021 11:10 AM	00:00	6.27 pH	17.97 °C	348.44 µS/cm	7.52 mg/L		83.1 mV	12.38 ft	
4/2/2021 11:15 AM	05:00	5.93 pH	16.77 °C	498.71 µS/cm	1.07 mg/L	1.75 NTU	77.2 mV	12.97 ft	150.00 ml/min
4/2/2021 11:20 AM	10:00	5.91 pH	16.48 °C	499.30 µS/cm	0.79 mg/L	2.90 NTU	82.1 mV	13.05 ft	150.00 ml/min
4/2/2021 11:25 AM	15:00	5.92 pH	16.92 °C	499.06 µS/cm	0.74 mg/L	1.54 NTU	80.0 mV	13.08 ft	150.00 ml/min
4/2/2021 11:30 AM	20:00	5.92 pH	16.93 °C	502.59 µS/cm	0.68 mg/L	1.95 NTU	73.5 mV	13.09 ft	150.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 1:40:35 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: GWA-46</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 47 ft</b> <b>Initial Depth to Water: 30.42 ft</b>	<b>Pump Type: Bladder</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 45 ft</b> <b>Estimated Total Volume Pumped: 7 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 5.64 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/5/2021 1:40 PM	00:00	6.35 pH	26.29 °C	78.01 µS/cm	4.59 mg/L	16.20 NTU	92.4 mV	30.42 ft	200.00 ml/min
4/5/2021 1:45 PM	05:00	6.00 pH	19.62 °C	86.96 µS/cm	2.53 mg/L	13.20 NTU	97.4 mV	30.81 ft	200.00 ml/min
4/5/2021 1:50 PM	10:00	5.97 pH	19.28 °C	84.69 µS/cm	2.49 mg/L	13.00 NTU	63.9 mV	30.85 ft	200.00 ml/min
4/5/2021 1:55 PM	15:00	5.95 pH	19.17 °C	83.58 µS/cm	2.49 mg/L	12.60 NTU	60.8 mV	30.90 ft	200.00 ml/min
4/5/2021 2:00 PM	20:00	5.94 pH	19.10 °C	82.74 µS/cm	2.48 mg/L	8.70 NTU	59.4 mV	30.90 ft	200.00 ml/min
4/5/2021 2:05 PM	25:00	5.93 pH	19.19 °C	81.97 µS/cm	2.47 mg/L	7.09 NTU	60.8 mV	30.86 ft	200.00 ml/min
4/5/2021 2:10 PM	30:00	5.92 pH	19.11 °C	80.82 µS/cm	2.45 mg/L	5.89 NTU	60.9 mV	30.90 ft	200.00 ml/min
4/5/2021 2:15 PM	35:00	5.92 pH	19.19 °C	80.65 µS/cm	2.44 mg/L	3.24 NTU	59.5 mV	30.89 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 2:46:52 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: GWA-47</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 56.55 m</b> <b>Initial Depth to Water: 38.05 ft</b>	<b>Pump Type: Bladder</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 51.55 ft</b> <b>Estimated Total Volume Pumped: 19.5 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min Final Draw Down: 12.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/5/2021 2:46 PM	00:00	6.59 pH	28.92 °C	123.34 µS/cm	6.36 mg/L	45.90 NTU	83.8 mV	38.05 ft	200.00 ml/min
4/5/2021 2:51 PM	05:00	6.59 pH	20.84 °C	127.87 µS/cm	5.23 mg/L	52.40 NTU	64.1 mV	39.10 ft	200.00 ml/min
4/5/2021 2:56 PM	10:00	6.59 pH	20.26 °C	128.70 µS/cm	4.71 mg/L	43.00 NTU	59.0 mV	39.45 ft	200.00 ml/min
4/5/2021 3:01 PM	15:00	6.59 pH	20.15 °C	129.27 µS/cm	4.56 mg/L	39.20 NTU	58.5 mV	39.46 ft	200.00 ml/min
4/5/2021 3:06 PM	20:00	6.59 pH	20.09 °C	128.79 µS/cm	4.50 mg/L	37.60 NTU	56.4 mV	39.51 ft	200.00 ml/min
4/5/2021 3:11 PM	25:00	6.59 pH	20.17 °C	128.63 µS/cm	4.48 mg/L	34.40 NTU	54.5 mV	39.51 ft	200.00 ml/min
4/5/2021 3:16 PM	30:00	6.58 pH	20.04 °C	128.25 µS/cm	4.48 mg/L	26.20 NTU	54.3 mV	39.54 ft	200.00 ml/min
4/5/2021 3:21 PM	35:00	6.58 pH	19.98 °C	127.20 µS/cm	4.48 mg/L	22.10 NTU	53.5 mV	39.56 ft	200.00 ml/min
4/5/2021 3:26 PM	40:00	6.58 pH	19.90 °C	127.18 µS/cm	4.49 mg/L	17.70 NTU	53.2 mV	39.58 ft	200.00 ml/min
4/5/2021 3:31 PM	45:00	6.58 pH	19.73 °C	127.49 µS/cm	4.52 mg/L	14.40 NTU	53.0 mV	39.60 ft	200.00 ml/min
4/5/2021 3:36 PM	50:00	6.58 pH	19.37 °C	127.74 µS/cm	4.56 mg/L	12.30 NTU	51.9 mV	39.60 ft	200.00 ml/min
4/5/2021 3:41 PM	55:00	6.58 pH	19.53 °C	127.50 µS/cm	4.54 mg/L	11.70 NTU	51.7 mV	39.61 ft	200.00 ml/min
4/5/2021 3:46 PM	01:00:00	6.58 pH	19.36 °C	127.37 µS/cm	4.54 mg/L	9.15 NTU	50.9 mV	39.61 ft	200.00 ml/min
4/5/2021 3:51 PM	01:05:00	6.58 pH	19.28 °C	127.42 µS/cm	4.55 mg/L	8.57 NTU	50.5 mV	39.59 ft	200.00 ml/min
4/5/2021 3:56 PM	01:10:00	6.58 pH	19.33 °C	127.52 µS/cm	4.54 mg/L	8.27 NTU	50.2 mV	39.61 ft	200.00 ml/min



4/5/2021 4:01 PM	01:15:00	6.58 pH	19.25 °C	127.13 µS/cm	4.55 mg/L	7.60 NTU	49.8 mV	39.65 ft	200.00 ml/min
4/5/2021 4:06 PM	01:20:00	6.58 pH	19.26 °C	127.81 µS/cm	4.55 mg/L	6.99 NTU	64.9 mV	39.65 ft	200.00 ml/min
4/5/2021 4:11 PM	01:25:00	6.58 pH	19.33 °C	127.19 µS/cm	4.54 mg/L	6.14 NTU	51.0 mV	39.65 ft	200.00 ml/min
4/5/2021 4:16 PM	01:30:00	6.58 pH	19.17 °C	127.72 µS/cm	4.56 mg/L	6.81 NTU	49.4 mV	39.50 ft	100.00 ml/min
4/5/2021 4:21 PM	01:35:00	6.59 pH	19.86 °C	129.53 µS/cm	4.48 mg/L	7.78 NTU	49.0 mV	39.32 ft	100.00 ml/min
4/5/2021 4:26 PM	01:40:00	6.60 pH	19.81 °C	128.74 µS/cm	4.47 mg/L	6.40 NTU	50.1 mV	39.20 ft	100.00 ml/min
4/5/2021 4:31 PM	01:45:00	6.59 pH	19.98 °C	128.08 µS/cm	4.45 mg/L	4.65 NTU	49.9 mV	39.10 ft	100.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 1:36:29 PM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWA-48</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 63.92 ft</b> <b>Total Depth: 73.92 ft</b> <b>Initial Depth to Water: 35.23 ft</b>	<b>Pump Type: QED Well Wizard</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 68.92 ft</b> <b>Estimated Total Volume Pumped: 3.75 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min Final Draw Down: 13.92 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/5/2021 1:36 PM	00:00	7.00 pH	34.18 °C	134.64 µS/cm	6.90 mg/L		35.6 mV	35.23 ft	150.00 ml/min
4/5/2021 1:41 PM	05:00	6.86 pH	23.67 °C	127.12 µS/cm	5.07 mg/L	5.92 NTU	35.9 mV	35.97 ft	150.00 ml/min
4/5/2021 1:46 PM	10:00	6.82 pH	21.86 °C	127.30 µS/cm	5.33 mg/L	2.30 NTU	36.7 mV	36.33 ft	150.00 ml/min
4/5/2021 1:51 PM	15:00	6.82 pH	21.78 °C	127.57 µS/cm	5.51 mg/L	3.41 NTU	37.6 mV	36.47 ft	150.00 ml/min
4/5/2021 1:56 PM	20:00	6.79 pH	21.73 °C	126.48 µS/cm	5.30 mg/L	5.37 NTU	41.1 mV	36.48 ft	150.00 ml/min
4/5/2021 2:01 PM	25:00	6.78 pH	21.91 °C	127.53 µS/cm	5.40 mg/L	2.18 NTU	42.6 mV	36.39 ft	150.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/6/2021 9:45:08 AM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWA-49</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 31 ft</b> <b>Total Depth: 41 ft</b> <b>Initial Depth to Water: 7.6 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene Pump</b> <b>Intake From TOC: 36 ft</b> <b>Estimated Total Volume Pumped: 5 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 9.0 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/6/2021 9:45 AM	00:00	7.78 pH	16.74 °C	335.82 µS/cm	9.05 mg/L		124.7 mV	7.60 ft	
4/6/2021 9:50 AM	05:00	7.46 pH	17.10 °C	163.42 µS/cm	8.72 mg/L	0.73 NTU	62.2 mV	8.18 ft	200.00 ml/min
4/6/2021 9:55 AM	10:00	7.06 pH	17.29 °C	158.86 µS/cm	7.85 mg/L	0.74 NTU	59.8 mV	8.27 ft	200.00 ml/min
4/6/2021 10:00 AM	15:00	6.91 pH	17.54 °C	158.65 µS/cm	7.43 mg/L	0.67 NTU	58.0 mV	8.32 ft	200.00 ml/min
4/6/2021 10:05 AM	20:00	6.88 pH	17.59 °C	157.89 µS/cm	7.37 mg/L	0.75 NTU	56.2 mV	8.34 ft	200.00 ml/min
4/6/2021 10:10 AM	25:00	6.87 pH	17.63 °C	158.35 µS/cm	7.36 mg/L	1.03 NTU	56.2 mV	8.35 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/6/2021 1:18:57 PM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-50</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 26.3 ft</b> <b>Total Depth: 36.3 ft</b> <b>Initial Depth to Water: 7.87 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 31 ft</b> <b>Estimated Total Volume Pumped: 4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 6.12 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/6/2021 1:18 PM	00:00	5.80 pH	26.37 °C	80.40 µS/cm	0.87 mg/L		71.1 mV	7.87 ft	200.00 ml/min
4/6/2021 1:23 PM	05:00	5.79 pH	21.68 °C	86.95 µS/cm	0.26 mg/L	1.94 NTU	97.3 mV	8.35 ft	200.00 ml/min
4/6/2021 1:28 PM	10:00	5.78 pH	21.27 °C	87.44 µS/cm	0.21 mg/L	1.16 NTU	130.2 mV	8.36 ft	200.00 ml/min
4/6/2021 1:33 PM	15:00	5.76 pH	21.15 °C	87.42 µS/cm	0.18 mg/L	0.99 NTU	175.4 mV	8.37 ft	200.00 ml/min
4/6/2021 1:38 PM	20:00	5.76 pH	21.00 °C	87.52 µS/cm	0.17 mg/L	1.35 NTU	206.5 mV	8.38 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 3:44:47 PM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-51</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 16.8 ft</b> <b>Total Depth: 26.8 ft</b> <b>Initial Depth to Water: 8.13 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 21.8 ft</b> <b>Estimated Total Volume Pumped: 4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 3.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/5/2021 3:44 PM	00:00	6.64 pH	32.70 °C	94.90 µS/cm	3.83 mg/L		53.5 mV	8.13 ft	200.00 ml/min
4/5/2021 3:49 PM	05:00	6.10 pH	22.72 °C	101.48 µS/cm	0.55 mg/L	1.74 NTU	62.6 mV	8.44 ft	200.00 ml/min
4/5/2021 3:54 PM	10:00	6.06 pH	22.25 °C	101.51 µS/cm	0.45 mg/L	3.83 NTU	73.9 mV	8.43 ft	200.00 ml/min
4/5/2021 3:59 PM	15:00	6.00 pH	22.04 °C	99.83 µS/cm	0.32 mg/L	3.34 NTU	89.2 mV	8.43 ft	200.00 ml/min
4/5/2021 4:04 PM	20:00	5.99 pH	21.91 °C	98.88 µS/cm	0.25 mg/L	4.64 NTU	104.6 mV	8.43 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 2:41:25 PM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-52</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 22.8 ft</b> <b>Total Depth: 32.8 ft</b> <b>Initial Depth to Water: 8.93 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 27.5 m</b> <b>Estimated Total Volume Pumped: 4.4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 220 ml/min Final Draw Down: 2.76 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	---	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/5/2021 2:41 PM	00:00	7.06 pH	33.97 °C	204.32 µS/cm	5.97 mg/L		55.0 mV	8.93 ft	220.00 ml/min
4/5/2021 2:46 PM	05:00	6.74 pH	21.79 °C	239.77 µS/cm	0.38 mg/L	0.67 NTU	47.7 mV	9.15 ft	220.00 ml/min
4/5/2021 2:51 PM	10:00	6.70 pH	20.89 °C	239.42 µS/cm	0.25 mg/L	0.64 NTU	50.2 mV	9.16 ft	220.00 ml/min
4/5/2021 2:56 PM	15:00	6.69 pH	20.63 °C	241.01 µS/cm	0.25 mg/L	1.88 NTU	49.8 mV	9.16 ft	220.00 ml/min
4/5/2021 3:01 PM	20:00	6.68 pH	20.32 °C	239.76 µS/cm	0.31 mg/L	1.77 NTU	53.2 mV	9.16 ft	220.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 4/6/2021 11:41:12 AM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: GWC-53</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 22.8 ft</b> <b>Total Depth: 32.8 ft</b> <b>Initial Depth to Water: 9.27 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 27.5 ft</b> <b>Estimated Total Volume Pumped: 4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 4.56 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	--	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/6/2021 11:41 AM	00:00	6.32 pH	26.37 °C	402.04 µS/cm	1.83 mg/L		72.5 mV	9.27 ft	200.00 ml/min
4/6/2021 11:46 AM	05:00	5.79 pH	20.39 °C	439.78 µS/cm	0.30 mg/L	1.17 NTU	65.1 mV	9.64 ft	200.00 ml/min
4/6/2021 11:51 AM	10:00	5.73 pH	19.95 °C	444.60 µS/cm	0.21 mg/L	0.89 NTU	64.5 mV	9.64 ft	200.00 ml/min
4/6/2021 11:56 AM	15:00	5.70 pH	20.02 °C	444.92 µS/cm	0.18 mg/L	1.40 NTU	62.4 mV	9.65 ft	200.00 ml/min
4/6/2021 12:01 PM	20:00	5.67 pH	19.86 °C	442.82 µS/cm	0.16 mg/L	1.66 NTU	62.2 mV	9.65 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

**Test Date / Time:** 3/30/2021 12:54:07 PM

**Project:** 166235021

**Operator Name:** Jude Waguespack

<b>Location Name: SWA-1</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 728566</b>
-----------------------------	--------------------------------	--

**Test Notes:**  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5
3/30/2021 12:54 PM	00:00	5.63 pH	22.88 °C	249.11 µS/cm	8.35 mg/L		123.6 mV	
3/30/2021 12:55 PM	01:00	6.01 pH	22.80 °C	248.58 µS/cm	8.34 mg/L	8.68 NTU	93.7 mV	

## Samples

Sample ID:	Description:
SWA-1	



# Low-Flow Test Report:

Test Date / Time: 4/7/2021 12:27:51 PM

Project: Plant Scherer

Operator Name: Karim Minkara

Location Name: SWA-1	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 12:27 PM	00:00	7.40 pH	25.51 °C	218.74 µS/cm	10.83 mg/L	2.26 NTU	79.7 mV	
4/7/2021 12:28 PM	01:00	7.47 pH	25.56 °C	218.71 µS/cm	10.81 mg/L	2.26 NTU	79.5 mV	

## Samples

Sample ID:	Description:
SWA-1	

# Low-Flow Test Report:

Test Date / Time: 3/30/2021 5:17:59 PM

Project: 166235021 (9)

Operator Name: Jude Waguespack

Location Name: SWA-2	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
----------------------	-------------------------	--

Test Notes:  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 5:17 PM	00:00	6.65 pH	19.01 °C	518.36 µS/cm	7.16 mg/L		12.0 mV	
3/30/2021 5:18 PM	01:00	6.70 pH	18.93 °C	520.78 µS/cm	7.13 mg/L	9.62 NTU	11.8 mV	

## Samples

Sample ID:	Description:
SWA-2	

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 3:26:30 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWA-2	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 3:26 PM	00:00	6.98 pH	23.39 °C	556.13 µS/cm	7.30 mg/L		42.9 mV	
4/7/2021 3:27 PM	01:00	6.99 pH	22.98 °C	562.67 µS/cm	7.45 mg/L	5.15 NTU	40.4 mV	

## Samples

Sample ID:	Description:
SWA-2	

# Low-Flow Test Report:

**Test Date / Time:** 3/30/2021 4:58:47 PM

**Project:** 166235021 (8)

**Operator Name:** Jude Waguespack

<b>Location Name: SWA-3</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 728566</b>
-----------------------------	--------------------------------	--

**Test Notes:**  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 4:58 PM	00:00	6.79 pH	19.06 °C	305.58 µS/cm	7.63 mg/L		18.4 mV	
3/30/2021 4:59 PM	01:00	6.72 pH	18.88 °C	307.20 µS/cm	7.64 mg/L	5.41 NTU	19.6 mV	

## Samples

Sample ID:	Description:
SWA-3	

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:55:21 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWA-3	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 2:55 PM	00:00	7.08 pH	24.42 °C	290.56 µS/cm	7.61 mg/L		55.7 mV	
4/7/2021 2:56 PM	01:00	6.97 pH	23.83 °C	296.44 µS/cm	7.97 mg/L	3.49 NTU	54.1 mV	

## Samples

Sample ID:	Description:
SWA-3	

# Low-Flow Test Report:

Test Date / Time: 3/30/2021 1:27:44 PM

Project: 166235021 (2)

Operator Name: Jude Waguespack

Location Name: SWC-4	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
----------------------	-------------------------	--

Test Notes:  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 1:27 PM	00:00	6.52 pH	20.79 °C	276.21 µS/cm	7.54 mg/L		51.0 mV	
3/30/2021 1:28 PM	01:00	6.66 pH	19.95 °C	282.56 µS/cm	7.82 mg/L	12.04 NTU	43.4 mV	

## Samples

Sample ID:	Description:
SWC-4	

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 12:51:21 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-4	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 12:51 PM	00:00	7.52 pH	21.07 °C	331.22 µS/cm	9.06 mg/L		71.5 mV	
4/7/2021 12:52 PM	01:00	7.50 pH	21.02 °C	331.30 µS/cm	9.19 mg/L	5.70 NTU	73.2 mV	

## Samples

Sample ID:	Description:
SWC-4	

# Low-Flow Test Report:

Test Date / Time: 3/30/2021 2:02:09 PM

Project: 166235021 (3)

Operator Name: Jude Waguespack

Location Name: SWC-5	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
----------------------	-------------------------	--

Test Notes:  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 2:02 PM	00:00	6.92 pH	19.59 °C	439.96 µS/cm	7.84 mg/L		33.9 mV	
3/30/2021 2:03 PM	01:00	6.93 pH	19.50 °C	440.03 µS/cm	7.83 mg/L	7.98 NTU	34.1 mV	

## Samples

Sample ID:	Description:
SWC-5	Surface water



# Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:05:04 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-6	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 2:05 PM	00:00	7.79 pH	21.67 °C	137.42 µS/cm	9.05 mg/L		71.2 mV	
4/7/2021 2:06 PM	01:00	7.73 pH	21.50 °C	137.85 µS/cm	9.12 mg/L	12.19 NTU	71.2 mV	

## Samples

Sample ID:	Description:
SWC-6	

# Low-Flow Test Report:

Test Date / Time: 3/30/2021 3:37:46 PM

Project: 166235021 (5)

Operator Name: Jude Waguespack

Location Name: SWC-7	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
----------------------	-------------------------	--

Test Notes:  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 3:37 PM	00:00	6.75 pH	20.18 °C	223.03 µS/cm	8.26 mg/L		51.0 mV	
3/30/2021 3:38 PM	01:00	6.90 pH	19.51 °C	227.68 µS/cm	8.53 mg/L	11.60 NTU	44.6 mV	

## Samples

Sample ID:	Description:
SWC-7	Surface water

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 1:45:23 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-7	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 1:45 PM	00:00	7.45 pH	23.17 °C	262.96 µS/cm	9.41 mg/L		81.5 mV	
4/7/2021 1:46 PM	01:00	7.51 pH	22.43 °C	268.92 µS/cm	9.83 mg/L	6.78 NTU	79.3 mV	

## Samples

Sample ID:	Description:
SWC-7	

# Low-Flow Test Report:

**Test Date / Time:** 3/30/2021 4:33:40 PM

**Project:** 166235021 (7)

**Operator Name:** Jude Waguespack

<b>Location Name: SWC-8</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 728566</b>
-----------------------------	--------------------------------	--

**Test Notes:**  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 4:33 PM	00:00	7.04 pH	19.72 °C	365.03 µS/cm	7.49 mg/L		16.6 mV	
3/30/2021 4:34 PM	01:00	7.00 pH	19.50 °C	367.51 µS/cm	7.56 mg/L	9.82 NTU	17.1 mV	

## Samples

Sample ID:	Description:
SWC-8	

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:41:22 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-8	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 2:41 PM	00:00	7.16 pH	23.88 °C	427.37 µS/cm	8.30 mg/L		61.8 mV	
4/7/2021 2:42 PM	01:00	7.17 pH	24.06 °C	426.74 µS/cm	8.26 mg/L	5.58 NTU	61.3 mV	

## Samples

Sample ID:	Description:
SWC-8	

# Low-Flow Test Report:

**Test Date / Time:** 3/30/2021 2:49:43 PM

**Project:** 166235021 (4)

**Operator Name:** Jude Waguespack

<b>Location Name: SWC-9</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 728566</b>
-----------------------------	--------------------------------	--

**Test Notes:**  
Surface water

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 2:49 PM	00:00	6.73 pH	19.85 °C	113.42 µS/cm	7.18 mg/L		66.3 mV	
3/30/2021 2:50 PM	01:00	6.58 pH	19.68 °C	114.49 µS/cm	7.21 mg/L	1.72 NTU	86.0 mV	

## Samples

Sample ID:	Description:
SWC-9	Surface water

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 1:15:31 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-9	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
----------------------	-------------------------	--

## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 1:15 PM	00:00	6.83 pH	21.08 °C	120.02 µS/cm	7.75 mg/L		80.5 mV	
4/7/2021 1:16 PM	01:00	6.72 pH	20.98 °C	121.04 µS/cm	7.83 mg/L	0.90 NTU	79.1 mV	

## Samples

Sample ID:	Description:
SWC-9	

**APPENDIX A**

**Field Data Forms  
June 2021**



Product Name: Low-Flow System

Date: 2021-06-02 11:14:38

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Samplepro  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 43 ft

Pump placement from TOC 43 ft

Well Information:

Well ID GWC-6  
Well diameter 2 in  
Well Total Depth 48.5 ft  
Screen Length 10 ft  
Depth to Water 37.1 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.4069272 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 0.6 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:00:41	300.06	21.70	6.13	205.00	6.12	37.15	6.22	633.45
Last 5	11:05:41	600.02	21.49	6.11	200.80	4.95	37.15	6.03	681.53
Last 5	11:10:41	900.02	21.48	6.09	197.95	4.85	37.15	5.91	738.16
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.22	-0.03	-4.21			-0.19	48.08
Variance 2			-0.00	-0.02	-2.85			-0.12	56.63

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 16:36:16

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 42 ft

Pump placement from TOC 42 ft

Well Information:

Well ID GWC-8A  
Well diameter 2 in  
Well Total Depth 47.50 ft  
Screen Length 10 ft  
Depth to Water 22.90 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.2774638 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.8 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	16:17:41	300.02	24.16	6.25	534.43	1.43	23.28	0.46	267.22
Last 5	16:22:41	600.02	23.84	6.27	537.93	1.02	23.28	0.34	325.73
Last 5	16:27:41	900.02	23.15	6.27	537.03	0.32	23.30	0.36	386.40
Last 5	16:32:41	1200.01	23.43	6.28	534.63	0.18	23.30	0.24	421.75
Last 5									
Variance 0			-0.33	0.02	3.49			-0.12	58.51
Variance 1			-0.69	0.00	-0.89			0.02	60.68
Variance 2			0.29	0.00	-2.40			-0.12	35.35

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 13:20:25

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Samplepro  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 57 ft

Pump placement from TOC 57 ft

Well Information:

Well ID GWC-19  
Well diameter 2 in  
Well Total Depth 62.75 ft  
Screen Length 10 ft  
Depth to Water 36.4 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.4694151 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 9.72 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:02:22	300.08	23.48	6.17	182.00	3.60	37.21	5.04	661.55
Last 5	13:07:22	600.02	22.89	6.18	181.51	2.84	37.21	5.01	712.99
Last 5	13:12:22	900.02	22.75	6.18	181.64	2.63	37.21	4.95	744.88
Last 5	13:17:22	1200.02	22.76	6.18	181.01	2.43	37.21	4.85	770.92
Last 5									
Variance 0			-0.58	0.01	-0.49			-0.02	51.44
Variance 1			-0.15	0.00	0.14			-0.06	31.89
Variance 2			0.01	0.00	-0.63			-0.10	26.04

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 15:31:52

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Samplepro  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 67 ft

Pump placement from TOC 67 ft

Well Information:

Well ID GWC-20  
Well diameter 2 in  
Well Total Depth 72.7 ft  
Screen Length 10 ft  
Depth to Water 43.76 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.5140493 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.88 in  
Total Volume Pumped 14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	15:05:38	3000.00	22.38	6.39	143.49	6.15	44.00	5.83	791.71
Last 5	15:10:38	3299.99	21.85	6.39	141.38	6.64	44.00	5.81	798.03
Last 5	15:15:38	3599.99	21.37	6.39	141.86	5.99	44.00	5.88	798.67
Last 5	15:20:38	3899.99	21.65	6.38	142.90	5.38	44.00	5.87	795.60
Last 5	15:25:38	4199.98	22.01	6.39	143.05	4.89	44.00	5.82	796.91
Variance 0			-0.47	0.00	0.47			0.07	0.64
Variance 1			0.28	-0.01	1.04			-0.01	-3.08
Variance 2			0.36	0.01	0.15			-0.05	1.31

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 17:02:38

Project Information:

Operator Name J.Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type SamplePro  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 42 ft

Pump placement from TOC 42 ft

Well Information:

Well ID GWA-46  
Well diameter 2 in  
Well Total Depth 47.0 ft  
Screen Length 10 ft  
Depth to Water 30.65 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.4024638 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.48 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	16:34:13	300.06	21.59	5.81	74.56	8.61	30.94	2.31	290.54
Last 5	16:39:13	600.02	20.61	5.81	75.00	3.86	30.94	2.33	385.62
Last 5	16:44:13	900.02	20.48	5.80	75.05	1.27	30.94	2.28	385.20
Last 5	16:49:13	1200.02	20.31	5.80	74.98	1.04	30.94	2.28	389.92
Last 5									
Variance 0			-0.98	-0.00	0.44			0.02	95.08
Variance 1			-0.13	-0.01	0.06			-0.05	-0.42
Variance 2			-0.18	-0.01	-0.07			0.00	4.72

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 15:40:02

Project Information:

Operator Name J.Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type SamplePro  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 51 ft

Pump placement from TOC 51 ft

Well Information:

Well ID GWA-47  
Well diameter 2 in  
Well Total Depth 56.55 ft  
Screen Length 10 ft  
Depth to Water 37.73 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.4426346 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 12.84 in  
Total Volume Pumped 3.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	14:58:01	300.03	22.67	6.47	126.42	70.30	38.27	4.76	489.98
Last 5	15:03:01	600.02	21.48	6.45	128.13	42.80	38.58	4.74	505.58
Last 5	15:08:01	900.02	21.33	6.45	128.92	26.90	38.79	4.60	515.24
Last 5	15:13:01	1200.02	21.06	6.46	128.59	13.90	38.79	4.59	525.93
Last 5	15:18:01	1500.02	20.85	6.46	127.85	8.79	38.80	4.59	535.69
Variance 0			-0.15	0.00	0.79			-0.14	9.66
Variance 1			-0.27	0.01	-0.34			-0.01	10.69
Variance 2			-0.21	-0.00	-0.74			-0.01	9.76

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 14:12:46

Project Information:

Operator Name J.Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 68 ft

Pump placement from TOC 68 ft

Well Information:

Well ID GWA-48  
Well diameter 2 in  
Well Total Depth 73.92 ft  
Screen Length 10 ft  
Depth to Water 35.62 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.6885128 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 22.56 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:50:21	300.06	20.08	6.76	122.34	2.49	36.70	5.48	449.54
Last 5	13:55:21	600.03	19.41	6.78	123.09	2.02	37.10	5.50	457.80
Last 5	14:00:21	900.02	19.67	6.78	123.08	2.41	37.45	5.48	455.41
Last 5	14:05:21	1200.02	19.81	6.78	123.06	2.40	37.50	5.45	451.52
Last 5	14:10:21	1500.02	19.86	6.78	122.87	3.70	37.50	5.48	449.07
Variance 0			0.26	-0.00	-0.01			-0.02	-2.39
Variance 1			0.14	0.00	-0.02			-0.03	-3.90
Variance 2			0.05	-0.00	-0.18			0.03	-2.45

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-02 11:25:40

Project Information:

Operator Name J.Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 21 ft

Pump placement from TOC 21 ft

Well Information:

Well ID GWC-51  
Well diameter 2 in  
Well Total Depth 26.80 ft  
Screen Length 10 ft  
Depth to Water 8.90 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1837319 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.8 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	10:50:13	300.11	19.77	5.96	101.81	3.97	9.27	0.27	219.84
Last 5	10:55:13	600.02	19.83	5.90	99.54	2.85	9.28	0.16	277.46
Last 5	11:00:13	900.02	19.87	5.88	98.71	2.06	9.29	0.12	338.22
Last 5	11:05:13	1200.01	19.94	5.87	97.45	1.04	9.30	0.10	390.87
Last 5									
Variance 0			0.06	-0.06	-2.28			-0.11	57.62
Variance 1			0.04	-0.02	-0.83			-0.04	60.76
Variance 2			0.08	-0.02	-1.26			-0.02	52.65

Notes

Dup-1

Grab Samples



Product Name: Low-Flow System

Date: 2021-06-02 12:36:41

Project Information:

Operator Name J.Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 27 ft

Pump placement from TOC 27 ft

Well Information:

Well ID GWC-52  
Well diameter 2 in  
Well Total Depth 32.80 ft  
Screen Length 10 ft  
Depth to Water 9.20 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2105124 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.12 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:57:31	300.06	21.10	6.59	237.64	1.18	9.43	0.31	475.93
Last 5	12:02:31	600.03	20.67	6.60	233.81	0.60	9.45	0.22	495.93
Last 5	12:07:31	900.02	20.39	6.60	234.61	0.37	9.46	0.49	509.44
Last 5	12:12:31	1200.02	20.35	6.60	233.57	0.39	9.46	0.48	520.29
Last 5	12:17:31	1500.02	20.39	6.60	233.36	0.30	9.46	0.37	528.15
Variance 0			-0.28	0.00	0.80			0.26	13.52
Variance 1			-0.04	0.00	-1.04			-0.00	10.84
Variance 2			0.04	0.00	-0.21			-0.11	7.86

Notes

FB-1

Grab Samples

**APPENDIX A**

**Field Data Forms  
August 2021**

Product Name: Low-Flow System

Date: 2021-08-18 16:24:26

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 30.54 ft

Pump placement from TOC 30.54 ft

Well Information:

Well ID GWC-1  
Well diameter 2 in  
Well Total Depth 38.70 ft  
Screen Length 10 ft  
Depth to Water 11.35 ft

Pumping Information:

Final Pumping Rate 220 mL/min  
Total System Volume 0.6344174 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.2 in  
Total Volume Pumped 4.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:59:08	300.04	20.68	6.61	196.48	6.66	11.67	6.89	130.91
Last 5	16:07:03	300.02	20.85	6.58	196.95	6.66	11.67	6.75	132.83
Last 5	16:12:03	600.02	20.91	6.59	197.17	6.12	11.69	6.60	132.04
Last 5	16:17:03	900.02	20.67	6.58	196.91	5.51	11.69	6.47	132.69
Last 5	16:22:03	1200.01	20.59	6.59	196.33	4.96	11.70	6.40	131.60
Variance 0			0.06	0.01	0.22			-0.15	-0.79
Variance 1			-0.24	-0.02	-0.26			-0.13	0.65
Variance 2			-0.08	0.01	-0.58			-0.07	-1.08

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 12:28:20

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 53.74 ft

Pump placement from TOC 53.74 ft

Well Information:

Well ID GWC-2  
Well diameter 2 in  
Well Total Depth 58.74 ft  
Screen Length 10 ft  
Depth to Water 14.20 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 0.7238644 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 18 in  
Total Volume Pumped 6.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:06:25	300.06	20.08	6.38	183.14	5.74	15.37	5.32	561.49
Last 5	11:11:25	600.02	19.79	6.40	174.40	3.68	15.74	5.13	602.15
Last 5	11:16:25	900.19	20.30	6.41	183.44	3.33	15.68	4.41	635.57
Last 5	11:21:25	1200.19	20.37	6.41	184.44	3.40	15.70	4.59	665.83
Last 5	11:26:25	1500.20	20.30	6.41	184.48	4.37	15.70	4.49	694.63
Variance 0			0.52	0.01	9.04			-0.73	33.42
Variance 1			0.07	-0.00	1.00			0.18	30.26
Variance 2			-0.07	0.00	0.04			-0.10	28.80

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 11:04:32

Project Information:

Operator Name D. Cox  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 50 ft

Pump placement from TOC 50 ft

Well Information:

Well ID GWC-3  
Well diameter 2 in  
Well Total Depth 55 ft  
Screen Length 10 ft  
Depth to Water 37.4 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.7741225 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.24 in  
Total Volume Pumped 14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:41:48	3000.12	24.85	6.10	93.09	10.02	37.67	6.18	119.26
Last 5	10:46:48	3300.12	25.01	6.11	93.24	9.87	37.67	6.30	119.26
Last 5	10:51:48	3600.12	23.31	6.12	91.94	7.22	37.67	6.66	121.42
Last 5	10:56:48	3900.12	22.82	6.12	92.29	6.02	37.67	6.82	121.00
Last 5	11:01:48	4200.12	22.87	6.12	92.04	4.33	37.67	6.78	120.68
Variance 0			-1.69	0.01	-1.29			0.37	2.17
Variance 1			-0.50	-0.00	0.35			0.15	-0.42
Variance 2			0.05	0.01	-0.25			-0.04	-0.32

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 12:12:33

Project Information:

Operator Name D. Cox  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 38 ft

Pump placement from TOC 38 ft

Well Information:

Well ID GWC-4  
Well diameter 2 in  
Well Total Depth 43.41 ft  
Screen Length 10 ft  
Depth to Water 32.25 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.6536101 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5.4 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:56:02	300.02	21.07	6.33	189.12	2.91	32.70	4.17	138.33
Last 5	12:01:02	600.02	20.55	6.29	190.87	1.09	32.70	3.92	139.69
Last 5	12:06:02	900.02	20.42	6.29	191.55	1.01	32.70	3.86	139.86
Last 5	12:11:02	1200.02	20.50	6.30	190.83	0.33	32.70	3.82	139.39
Last 5									
Variance 0			-0.52	-0.04	1.75			-0.25	1.35
Variance 1			-0.13	0.00	0.68			-0.06	0.17
Variance 2			0.09	0.00	-0.72			-0.04	-0.47

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 10:16:21

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 25.34 ft

Pump placement from TOC 25.34 ft

Well Information:

Well ID GWC-5  
Well diameter 2 in  
Well Total Depth 34.16 ft  
Screen Length 10 ft  
Depth to Water 20.36 ft

Pumping Information:

Final Pumping Rate 180 mL/min  
Total System Volume 0.6141534 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.04 in  
Total Volume Pumped 3.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:56:52	300.10	18.52	5.92	520.78	1.62	20.52	5.33	93.60
Last 5	10:01:52	600.02	18.36	5.92	524.10	1.46	20.53	4.61	87.45
Last 5	10:06:52	900.02	18.30	5.87	524.95	1.22	20.50	4.30	84.57
Last 5	10:11:52	1200.02	18.39	5.87	525.77	1.05	20.53	4.40	82.99
Last 5									
Variance 0			-0.17	0.01	3.32			-0.72	-6.15
Variance 1			-0.06	-0.05	0.85			-0.31	-2.87
Variance 2			0.09	-0.00	0.82			0.10	-1.59

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 15:20:45

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 39.98 ft

Pump placement from TOC 39.98 ft

Well Information:

Well ID GWC-6  
Well diameter 2 in  
Well Total Depth 48.50 ft  
Screen Length 10 ft  
Depth to Water 38.41 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.6781589 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.08 in  
Total Volume Pumped 2.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:04:34	300.06	19.67	6.13	216.12	0.27	38.48	7.18	93.21
Last 5	15:09:34	600.02	20.07	6.15	213.13	0.44	38.52	6.78	90.28
Last 5	15:14:34	900.02	19.73	6.14	211.36	1.66	38.50	7.01	89.09
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.40	0.01	-2.99			-0.40	-2.93
Variance 2			-0.35	-0.00	-1.77			0.23	-1.18

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2021-08-11 13:42:00

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 50.46 ft

Pump placement from TOC 50.46 ft

Well Information:

Well ID GWC-7  
Well diameter 2 in  
Well Total Depth 58.72 ft  
Screen Length 10 ft  
Depth to Water 42.56 ft

Pumping Information:

Final Pumping Rate 260 mL/min  
Total System Volume 0.7237751 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 7.08 in  
Total Volume Pumped 3.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:25:51	300.04	19.01	6.23	167.39	3.15	43.11	6.74	87.52
Last 5	13:30:51	600.02	18.57	6.24	168.28	2.13	43.20	6.63	83.39
Last 5	13:35:51	900.02	18.43	6.26	168.45	1.55	43.15	6.46	83.39
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.44	0.01	0.89			-0.11	-4.13
Variance 2			-0.14	0.02	0.18			-0.17	0.01

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 11:58:00

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 39.40 ft

Pump placement from TOC 39.40 ft

Well Information:

Well ID GWC-8A  
Well diameter 2 in  
Well Total Depth 47.50 ft  
Screen Length 10 ft  
Depth to Water 23.31 ft

Pumping Information:

Final Pumping Rate 170 mL/min  
Total System Volume 0.6736955 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.68 in  
Total Volume Pumped 7.65 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:34:35	1500.01	20.04	6.36	365.78	0.32	23.69	1.07	13.49
Last 5	11:39:36	1801.01	19.80	6.36	366.76	0.41	23.70	0.70	13.03
Last 5	11:44:36	2101.01	19.77	6.38	365.17	0.27	23.72	0.65	11.80
Last 5	11:49:36	2401.01	19.85	6.35	366.89	0.45	23.71	0.56	11.56
Last 5	11:54:36	2701.01	19.59	6.37	356.41	0.33	23.70	0.63	12.05
Variance 0			-0.03	0.02	-1.59			-0.05	-1.23
Variance 1			0.08	-0.03	1.72			-0.09	-0.24
Variance 2			-0.25	0.01	-10.48			0.06	0.49

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 14:12:19

Project Information:

Operator Name E. Rheams  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 465016  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 11.55 ft

Pump placement from TOC 11.55 ft

Well Information:

Well ID GWC-9  
Well diameter 2 in  
Well Total Depth 20.25 ft  
Screen Length 10 ft  
Depth to Water 7.52 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.5355526 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.36 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:55:01	300.03	19.99	6.70	189.20	11.55	8.04	2.56	63.68
Last 5	14:00:01	600.02	19.93	6.68	188.25	4.65	8.04	2.38	59.36
Last 5	14:05:01	900.01	19.81	6.67	189.02	3.01	8.04	2.34	57.05
Last 5	14:10:01	1200.01	19.77	6.66	190.25	1.85	8.05	2.31	55.56
Last 5									
Variance 0			-0.06	-0.02	-0.96			-0.18	-4.32
Variance 1			-0.12	-0.01	0.77			-0.04	-2.31
Variance 2			-0.04	-0.01	1.24			-0.03	-1.49

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-17 15:36:31

Project Information:

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

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 35 ft

Pump placement from TOC 35 ft

Well Information:

Well ID GWC-10  
Well diameter 2 in  
Well Total Depth 40.8 ft  
Screen Length 10 ft  
Depth to Water 10.43 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.6402198 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 0.48 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:20:02	300.03	19.90	6.51	171.05	12.10	10.47	3.40	69.69
Last 5	15:25:02	600.02	19.68	6.50	170.27	9.67	10.47	2.85	65.50
Last 5	15:30:02	900.02	19.67	6.48	170.08	5.15	10.47	2.69	63.95
Last 5	15:35:02	1200.02	19.67	6.45	170.06	4.18	10.47	2.66	62.62
Last 5									
Variance 0			-0.22	-0.01	-0.78			-0.55	-4.19
Variance 1			-0.00	-0.02	-0.19			-0.15	-1.55
Variance 2			-0.00	-0.03	-0.02			-0.03	-1.33

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 15:58:42

Project Information:

Operator Name E. Rheams  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 465016  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 25.82 ft

Pump placement from TOC 25.82 ft

Well Information:

Well ID GWC-11  
Well diameter 2 in  
Well Total Depth 34.59 ft  
Screen Length 10 ft  
Depth to Water 19.10 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.484 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.28 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:36:32	300.02	20.03	6.24	134.84	2.98	19.31	2.03	77.56
Last 5	15:41:32	600.02	19.70	6.21	134.80	2.24	19.30	1.30	66.70
Last 5	15:46:32	900.02	19.56	6.21	134.45	1.73	19.28	1.11	62.08
Last 5	15:51:32	1200.02	19.59	6.20	134.87	1.42	19.29	1.05	58.85
Last 5	15:56:32	1500.02	19.50	6.21	134.47	2.90	19.29	1.02	56.90
Variance 0			-0.14	-0.01	-0.35			-0.19	-4.63
Variance 1			0.03	-0.00	0.42			-0.07	-3.22
Variance 2			-0.09	0.00	-0.41			-0.03	-1.96

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 13:34:56

Project Information:

Operator Name E. Rheams  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 465016  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 29.42 ft

Pump placement from TOC 29.42 ft

Well Information:

Well ID GWC-12  
Well diameter 2 in  
Well Total Depth 37.82 ft  
Screen Length 10 ft  
Depth to Water 25.86 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 0.484 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.24 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:17:55	300.05	19.56	5.22	26.29	1.97	26.40	3.53	88.19
Last 5	13:22:56	600.85	19.36	5.19	26.52	1.42	26.38	3.02	80.29
Last 5	13:27:56	900.84	19.32	5.19	26.57	0.70	26.37	2.94	79.13
Last 5	13:32:56	1200.84	19.32	5.20	26.54	1.31	26.38	2.92	78.54
Last 5									
Variance 0			-0.20	-0.03	0.24			-0.51	-7.90
Variance 1			-0.04	-0.01	0.04			-0.09	-1.16
Variance 2			-0.00	0.01	-0.02			-0.01	-0.59

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 12:47:07

Project Information:

Operator Name E. Rheams  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 465016  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 34.52 ft

Pump placement from TOC 34.52 ft

Well Information:

Well ID GWC-13  
Well diameter 2 in  
Well Total Depth 44.20 ft  
Screen Length 10 ft  
Depth to Water 30.86 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 0.484 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.64 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:30:35	300.02	20.15	5.89	89.03	0.89	31.08	4.10	91.06
Last 5	12:35:35	600.02	19.73	5.92	94.26	0.85	31.08	3.58	79.61
Last 5	12:40:35	900.02	19.68	5.93	94.83	0.34	31.08	3.52	75.26
Last 5	12:45:35	1200.02	19.62	5.92	94.78	0.23	31.08	3.50	72.01
Last 5									
Variance 0			-0.42	0.02	5.23			-0.51	-11.46
Variance 1			-0.05	0.01	0.57			-0.07	-4.35
Variance 2			-0.06	-0.01	-0.04			-0.02	-3.25

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 11:20:57

Project Information:

Operator Name E. Rheams  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 465016  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 18.88 ft

Pump placement from TOC 18.88 ft

Well Information:

Well ID GWC-14  
Well diameter 2 in  
Well Total Depth 27.5 ft  
Screen Length 10 ft  
Depth to Water 13.61 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.484 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.68 in  
Total Volume Pumped 11 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:59:02	2101.02	19.63	5.61	78.88	11.80	13.76	0.32	77.08
Last 5	11:04:02	2401.02	19.64	5.61	78.91	11.49	13.75	0.31	77.65
Last 5	11:09:02	2701.18	19.58	5.61	78.74	5.04	13.75	0.30	76.43
Last 5	11:14:02	3001.18	19.54	5.62	78.65	6.16	13.75	0.30	75.28
Last 5	11:19:03	3302.18	19.59	5.62	78.61	3.18	13.75	0.30	70.85
Variance 0			-0.06	-0.00	-0.17			-0.01	-1.21
Variance 1			-0.04	0.01	-0.08			-0.00	-1.15
Variance 2			0.05	0.00	-0.05			-0.00	-4.43

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2021-08-11 09:48:16

Project Information:

Operator Name E. Rheams  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 465016  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 24 ft

Pump placement from TOC 24 ft

Well Information:

Well ID GWA-15  
Well diameter 2 in  
Well Total Depth 29.59 ft  
Screen Length 10 ft  
Depth to Water 12.63 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.484 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.08 in  
Total Volume Pumped 7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:25:31	300.02	18.42	5.53	64.98	5.85	12.97	1.19	92.42
Last 5	09:30:31	600.02	18.30	5.53	65.34	5.90	12.97	0.38	68.05
Last 5	09:35:31	900.02	18.25	5.52	65.43	2.98	12.97	0.25	59.13
Last 5	09:40:31	1200.02	18.25	5.51	65.47	2.34	12.98	0.22	55.84
Last 5	09:45:31	1500.74	18.25	5.50	65.60	0.59	12.97	0.20	53.05
Variance 0			-0.05	-0.01	0.09			-0.13	-8.93
Variance 1			-0.00	-0.02	0.04			-0.03	-3.29
Variance 2			-0.00	-0.01	0.13			-0.02	-2.79

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 15:17:38

Project Information:

Operator Name D. Cox  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 66.25 ft

Pump placement from TOC 66.25 ft

Well Information:

Well ID GWC-18  
Well diameter 2 in  
Well Total Depth 71.25 ft  
Screen Length 10 ft  
Depth to Water 32.80 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.8009031 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 10.92 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:53:45	900.14	21.04	6.43	113.39	5.15	33.62	7.11	106.23
Last 5	14:58:45	1200.14	21.13	6.37	118.76	4.33	33.65	6.98	116.04
Last 5	15:03:45	1500.14	20.85	6.42	119.11	3.97	33.66	6.80	121.86
Last 5	15:08:45	1800.14	20.99	6.43	118.53	3.35	33.68	6.80	130.38
Last 5	15:13:45	2100.13	20.90	6.43	117.93	3.58	33.71	6.88	128.84
Variance 0			-0.27	0.05	0.35			-0.18	5.81
Variance 1			0.14	0.02	-0.59			-0.00	8.52
Variance 2			-0.09	-0.01	-0.60			0.08	-1.53

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 11:11:53

Project Information:

Operator Name D. Cox  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 57.5 ft

Pump placement from TOC 57.5 ft

Well Information:

Well ID GWC-19  
Well diameter 2 in  
Well Total Depth 62.75 ft  
Screen Length 10 ft  
Depth to Water 36.60 ft

Pumping Information:

Final Pumping Rate 190 mL/min  
Total System Volume 0.484 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 16.08 in  
Total Volume Pumped 3.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:54:10	300.27	22.06	6.38	176.85	0.85	37.62	5.57	138.88
Last 5	10:59:10	600.26	21.79	6.34	176.89	3.27	37.89	5.41	138.89
Last 5	11:04:10	900.26	21.53	6.35	176.99	4.94	37.92	5.27	139.58
Last 5	11:09:10	1200.26	21.64	6.35	176.59	4.23	37.94	5.15	140.80
Last 5									
Variance 0			-0.27	-0.05	0.04			-0.16	0.01
Variance 1			-0.26	0.02	0.10			-0.14	0.69
Variance 2			0.11	-0.01	-0.40			-0.11	1.22

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 12:32:14

Project Information:

Operator Name D. Cox  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 67 ft

Pump placement from TOC 67 ft

Well Information:

Well ID GWC-20  
Well diameter 2 in  
Well Total Depth 72.7 ft  
Screen Length 10 ft  
Depth to Water 43.91 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.8053665 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.28 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:17:55	300.16	21.88	6.57	143.78	7.12	44.11	7.47	137.65
Last 5	12:22:55	600.04	23.23	6.58	142.91	4.62	44.09	7.34	137.68
Last 5	12:27:55	900.03	22.73	6.58	139.05	2.45	44.10	7.21	136.49
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			1.34	0.01	-0.88			-0.12	0.03
Variance 2			-0.50	-0.00	-3.86			-0.13	-1.19

Notes

iPad overheat at 12:05

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 12:23:42

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 49.58 ft

Pump placement from TOC 49.58 ft

Well Information:

Well ID GWA-16  
Well diameter 2 in  
Well Total Depth 57.93 ft  
Screen Length 10 ft  
Depth to Water 32.80 ft

Pumping Information:

Final Pumping Rate 210 mL/min  
Total System Volume 0.720249 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.64 in  
Total Volume Pumped 3.15 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:09:19	300.07	18.52	6.35	128.02	0.56	32.99	5.87	87.16
Last 5	12:14:19	600.02	18.55	6.36	127.48	0.73	33.01	5.90	84.37
Last 5	12:19:19	900.02	18.57	6.35	127.38	0.76	33.02	5.77	84.30
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.03	0.01	-0.53			0.02	-2.79
Variance 2			0.02	-0.01	-0.10			-0.13	-0.07

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-11 10:16:27

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 38.55 ft

Pump placement from TOC 38.55 ft

Well Information:

Well ID GWA-17  
Well diameter 2 in  
Well Total Depth 46.76 ft  
Screen Length 10 ft  
Depth to Water 29.09 ft

Pumping Information:

Final Pumping Rate 240 mL/min  
Total System Volume 0.6703926 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:45:27	300.04	19.70	6.08	86.68	0.85	29.32	7.09	111.62
Last 5	09:50:27	600.02	18.90	6.10	95.05	1.02	29.33	7.54	106.99
Last 5	09:55:27	900.02	18.77	6.12	98.50	1.37	29.36	7.47	104.99
Last 5	10:00:27	1200.02	18.71	6.13	100.07	1.55	29.32	7.47	104.39
Last 5	10:05:27	1500.02	18.70	6.14	101.16	1.79	29.34	6.97	103.63
Variance 0			-0.14	0.01	3.46			-0.08	-2.00
Variance 1			-0.05	0.01	1.57			0.00	-0.60
Variance 2			-0.01	0.01	1.09			-0.50	-0.76

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 13:41:48

Project Information:

Operator Name D. Cox  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 15.6 ft

Pump placement from TOC 15.6 ft

Well Information:

Well ID GWA-21  
Well diameter 2 in  
Well Total Depth 20.6 ft  
Screen Length 10 ft  
Depth to Water 5.51 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.5536294 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.96 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:20:04	300.03	23.04	5.81	108.12	12.07	6.00	1.47	128.09
Last 5	13:25:04	600.02	22.69	5.84	110.02	6.22	6.09	1.85	131.40
Last 5	13:30:04	900.02	22.42	5.87	110.14	4.44	6.09	2.01	134.79
Last 5	13:35:04	1200.02	22.40	5.88	110.45	3.72	6.09	2.07	135.93
Last 5	13:40:04	1500.02	22.33	5.88	110.43	3.12	6.09	2.12	136.21
Variance 0			-0.26	0.02	0.11			0.16	3.39
Variance 1			-0.02	0.01	0.31			0.06	1.14
Variance 2			-0.07	0.01	-0.02			0.04	0.27

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 14:31:18

Project Information:

Operator Name D. Cox  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 541714  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 37.5 ft

Pump placement from TOC 37.5 ft

Well Information:

Well ID GWA-22  
Well diameter 2 in  
Well Total Depth 42.50 ft  
Screen Length 10 ft  
Depth to Water 24.78 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.6513783 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 7.44 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:15:01	300.03	20.94	5.93	82.97	2.24	25.40	4.71	128.94
Last 5	14:20:01	600.02	20.71	5.92	82.21	1.97	25.40	4.42	128.27
Last 5	14:25:01	900.02	20.46	5.92	82.59	1.84	25.40	4.34	127.53
Last 5	14:30:01	1200.02	20.46	5.91	83.10	1.77	25.40	4.29	126.86
Last 5									
Variance 0			-0.23	-0.01	-0.76			-0.29	-0.67
Variance 1			-0.25	-0.01	0.38			-0.08	-0.73
Variance 2			-0.00	-0.01	0.51			-0.04	-0.67

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2021-08-13 10:57:05

Project Information:

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

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 22 ft

Pump placement from TOC 22 ft

Well Information:

Well ID GWC-29  
Well diameter 2 in  
Well Total Depth 27 ft  
Screen Length 10 ft  
Depth to Water 5.75 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.5821953 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:40:04	300.02	20.97	6.16	186.85	3.76	6.00	0.72	485.79
Last 5	10:45:04	600.02	20.92	6.17	185.29	4.32	6.00	0.66	488.98
Last 5	10:50:04	900.50	21.03	6.18	187.68	4.01	6.00	0.58	494.14
Last 5	10:55:09	1205.50	21.01	6.18	187.37	3.25	6.00	0.70	497.21
Last 5									
Variance 0			-0.04	0.00	-1.57			-0.07	3.20
Variance 1			0.11	0.01	2.40			-0.07	5.16
Variance 2			-0.02	0.00	-0.32			0.11	3.07

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 14:32:48

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 27.51 ft

Pump placement from TOC 27.51 ft

Well Information:

Well ID GWA-45  
Well diameter 2 in  
Well Total Depth 36.00 ft  
Screen Length 10 ft  
Depth to Water 17.05 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.6223661 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 10.2 in  
Total Volume Pumped 4.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:05:19	600.02	18.57	6.06	482.92	15.56	17.89	1.47	42.37
Last 5	14:10:19	900.02	18.74	5.95	485.23	12.24	17.90	1.05	45.24
Last 5	14:15:19	1200.02	18.74	5.95	486.98	7.56	17.91	0.86	45.99
Last 5	14:20:19	1500.02	18.60	5.92	482.83	5.81	17.91	0.73	47.56
Last 5	14:25:19	1800.01	18.64	5.92	482.93	3.46	17.90	0.70	49.81
Variance 0			-0.00	-0.01	1.74			-0.18	0.75
Variance 1			-0.14	-0.02	-4.15			-0.13	1.57
Variance 2			0.03	0.00	0.11			-0.03	2.26

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 15:49:24

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 38.44 ft

Pump placement from TOC 38.44 ft

Well Information:

Well ID GWA-46  
Well diameter 2 in  
Well Total Depth 47.00 ft  
Screen Length 10 ft  
Depth to Water 32.04 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.6759272 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.72 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:25:22	300.05	18.61	5.71	73.70	0.49	32.36	6.35	74.06
Last 5	15:30:22	600.02	18.35	5.70	74.48	0.31	32.40	6.35	73.73
Last 5	15:35:22	900.02	17.99	5.69	74.91	0.19	32.37	3.15	71.80
Last 5	15:40:22	1200.02	17.97	5.67	74.90	0.24	32.31	3.15	78.27
Last 5	15:45:24	1502.01	17.99	5.71	76.01	0.08	32.35	3.15	71.04
Variance 0			-0.36	-0.01	0.42			-3.19	-1.93
Variance 1			-0.01	-0.02	-0.00			0.00	6.47
Variance 2			0.02	0.04	1.11			0.00	-7.23

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 09:59:24

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 48.02 ft

Pump placement from TOC 48.02 ft

Well Information:

Well ID GWA-47  
Well diameter 2 in  
Well Total Depth 56.55 ft  
Screen Length 10 ft  
Depth to Water 38.55 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.7140894 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 15 in  
Total Volume Pumped 3.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:39:01	300.10	17.38	6.28	134.32	5.92	39.56	6.18	74.22
Last 5	09:44:01	600.02	17.28	6.28	135.72	4.52	39.68	5.94	69.58
Last 5	09:49:01	900.02	17.19	6.29	134.95	2.85	39.77	5.94	68.20
Last 5	09:54:01	1200.01	17.27	6.33	135.06	1.75	39.80	5.70	63.86
Last 5									
Variance 0			-0.11	0.00	1.39			-0.24	-4.64
Variance 1			-0.09	0.01	-0.76			0.00	-1.37
Variance 2			0.08	0.04	0.11			-0.24	-4.34

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 16:15:19

Project Information:

Operator Name E. Rheams  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 465016  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 68.6 ft

Pump placement from TOC 68.6 ft

Well Information:

Well ID GWA-48  
Well diameter 2 in  
Well Total Depth 73.92 ft  
Screen Length 10 ft  
Depth to Water 36.55 ft

Pumping Information:

Final Pumping Rate 220 mL/min  
Total System Volume 0.7901908 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 25.92 in  
Total Volume Pumped 6.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:50:48	600.02	21.24	6.46	125.09	6.48	38.59	5.79	75.43
Last 5	15:55:48	900.02	21.34	6.71	125.51	4.37	38.81	5.75	70.49
Last 5	16:00:48	1200.02	21.41	6.82	125.45	1.74	38.90	5.72	68.26
Last 5	16:05:48	1500.02	22.57	6.84	126.05	1.97	38.67	5.61	67.25
Last 5	16:10:48	1800.02	22.67	6.86	125.66	1.30	38.71	5.59	67.61
Variance 0			0.08	0.11	-0.06			-0.03	-2.24
Variance 1			1.16	0.02	0.60			-0.11	-1.01
Variance 2			0.09	0.02	-0.39			-0.02	0.36

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-12 15:14:11

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 36.0 ft

Pump placement from TOC 36.0 ft

Well Information:

Well ID GWA-49  
Well diameter 2 in  
Well Total Depth 41.0 ft  
Screen Length 10 ft  
Depth to Water 11.79 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.6446832 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.12 in  
Total Volume Pumped 7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:45:09	1800.02	20.80	6.88	161.30	14.40	12.32	7.29	555.56
Last 5	14:50:09	2100.02	21.16	6.88	160.45	9.54	12.30	7.29	553.00
Last 5	14:55:10	2400.74	21.02	6.87	159.92	6.00	12.30	7.22	552.72
Last 5	15:00:10	2700.74	21.16	6.86	159.87	7.10	12.30	7.32	550.14
Last 5	15:05:10	3000.74	21.12	6.86	159.80	4.27	12.30	7.25	547.38
Variance 0			-0.15	-0.01	-0.53			-0.07	-0.27
Variance 1			0.14	-0.01	-0.05			0.10	-2.59
Variance 2			-0.04	0.00	-0.07			-0.07	-2.75

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 09:56:49

Project Information:

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

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 31.3 ft

Pump placement from TOC 31.3 ft

Well Information:

Well ID GWC-50  
Well diameter 2 in  
Well Total Depth 36.3 ft  
Screen Length 10 ft  
Depth to Water 8.98 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.6223661 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 9.96 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:35:08	300.06	19.85	5.86	85.10	9.06	9.81	1.05	498.97
Last 5	09:40:08	600.02	19.78	5.87	84.89	4.55	9.81	0.86	511.57
Last 5	09:45:08	900.02	19.76	5.88	85.01	6.55	9.81	0.98	517.92
Last 5	09:50:08	1200.02	19.59	5.86	85.02	3.97	9.81	1.00	518.84
Last 5	09:55:08	1500.02	19.56	5.86	84.93	3.44	9.81	1.05	514.21
Variance 0			-0.01	0.01	0.12			0.12	6.35
Variance 1			-0.18	-0.02	0.01			0.02	0.93
Variance 2			-0.03	-0.00	-0.10			0.04	-4.63

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 12:33:09

Project Information:

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

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 21.8 ft

Pump placement from TOC 21.8 ft

Well Information:

Well ID GWC-51  
Well diameter 2 in  
Well Total Depth 26.8 ft  
Screen Length 10 ft  
Depth to Water 8.8 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.5813026 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.36 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:10:01	900.02	20.44	5.95	96.45	21.70	9.08	0.72	644.05
Last 5	12:15:01	1200.02	20.35	5.93	96.63	11.30	9.08	0.56	607.53
Last 5	12:20:01	1500.02	20.25	5.95	96.80	8.78	9.08	0.55	576.84
Last 5	12:25:01	1800.02	20.13	5.96	96.76	5.07	9.08	0.49	550.08
Last 5	12:30:06	2105.02	20.21	5.92	97.74	4.23	9.08	0.33	536.42
Variance 0			-0.10	0.03	0.17			-0.01	-30.69
Variance 1			-0.12	0.00	-0.04			-0.06	-26.76
Variance 2			0.08	-0.03	0.98			-0.16	-13.66

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2021-08-17 11:51:59

Project Information:

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

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 24.55 ft

Pump placement from TOC 24.55 ft

Well Information:

Well ID GWC-52  
Well diameter 2 in  
Well Total Depth 32.8 ft  
Screen Length 10 ft  
Depth to Water 8.89 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.593577 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.88 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:29:27	600.91	19.64	6.65	235.41	1.81	9.13	0.62	291.30
Last 5	11:34:27	900.91	19.52	6.64	235.42	1.48	9.12	0.52	296.59
Last 5	11:39:27	1200.91	19.57	6.64	235.46	2.01	9.12	0.37	301.66
Last 5	11:44:27	1500.91	19.59	6.64	235.11	1.20	9.13	0.34	306.77
Last 5	11:49:27	1800.91	19.50	6.63	234.85	1.36	9.13	0.31	314.43
Variance 0			0.04	-0.01	0.04			-0.15	5.08
Variance 1			0.02	-0.00	-0.35			-0.03	5.10
Variance 2			-0.09	-0.01	-0.26			-0.03	7.66

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 11:43:06

Project Information:

Operator Name N. Tejada  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 553835  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 24.19 ft

Pump placement from TOC 24.19 ft

Well Information:

Well ID GWC-53  
Well diameter 2 in  
Well Total Depth 32.80 ft  
Screen Length 10 ft  
Depth to Water 11.18 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.6080831 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.24 in  
Total Volume Pumped 10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:13:04	1800.01	19.10	5.54	448.40	6.12	11.66	0.56	40.89
Last 5	11:18:04	2100.01	22.20	5.55	426.18	5.68	11.69	0.61	40.16
Last 5	11:23:06	2402.00	17.74	5.55	458.79	4.77	11.68	0.68	40.43
Last 5	11:28:06	2702.00	17.75	5.48	460.93	3.81	11.69	0.61	42.96
Last 5	11:33:06	3002.00	18.49	5.47	457.55	3.74	11.70	0.57	44.18
Variance 0			-4.46	-0.00	32.61			0.07	0.27
Variance 1			0.01	-0.07	2.14			-0.07	2.52
Variance 2			0.74	-0.01	-3.37			-0.04	1.22

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 13:49:55

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWA-2  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:42:43	60.02	25.32	7.07	706.19	4.44	--	7.10	181.73
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 13:27:16

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWA-3  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:20:08	60.40	25.28	7.23	263.83	3.99	--	7.45	213.58
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 10:36:44

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWC-4  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:35:24	60.02	24.48	7.33	418.39	1.50	0.00	7.38	263.67
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 10:03:02

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWC-5  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:01:34	60.04	24.80	7.00	355.03	1.56	0.00	4.52	198.08
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 12:14:36

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWC-6  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:13:27	60.03	24.88	7.63	151.62	10.02	0.00	7.83	370.46
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 12:07:19

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWC-7  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:49:23	60.02	26.88	7.49	287.83	3.49	--	6.72	415.26
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2021-08-13 13:01:43

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWC-8  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:00:01	60.02	26.37	7.30	528.30	3.31	0.00	7.23	289.93
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-13 11:15:47

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID SWC-9  
Well diameter in  
Well Total Depth ft  
Screen Length ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:13:05	60.02	23.30	7.04	125.62	0.32	--	8.41	359.27
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-17 13:30:59

Project Information:

Operator Name J. Waguespack  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 512733  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter in  
Tubing Length ft  
Pump placement from TOC ft

Well Information:

Well ID Effluent  
Well diameter 2 in  
Well Total Depth ft  
Screen Length 10 ft  
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 60 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:27:00	60.03	40.00	5.69	14187.91	> 1000	--	3.16	417.43
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Grab Samples

**APPENDIX A**

**Field Data Forms  
October 2021**

# Low-Flow Test Report:

Test Date / Time: 10/18/2021 4:25:21 PM

Project: Plant Scherer

Operator Name: Jude Waguespack

<b>Location Name: GWC-1</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 28.72 ft</b> <b>Total Depth: 38.72 ft</b> <b>Initial Depth to Water: 8.76 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 33 ft</b> <b>Estimated Total Volume Pumped: 4500 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 0.19 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
---	---	--

## 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	
10/18/2021 4:25 PM	00:00	6.33 pH	21.55 °C	185.03 µS/cm	6.76 mg/L	1.25 NTU	65.6 mV	8.76 ft	150.00 ml/min
10/18/2021 4:30 PM	05:00	6.32 pH	20.15 °C	181.71 µS/cm	4.88 mg/L	1.32 NTU	54.0 mV	8.95 ft	150.00 ml/min
10/18/2021 4:35 PM	10:00	6.33 pH	19.86 °C	184.93 µS/cm	4.87 mg/L	1.15 NTU	59.3 mV	8.95 ft	150.00 ml/min
10/18/2021 4:40 PM	15:00	6.33 pH	19.66 °C	183.21 µS/cm	4.88 mg/L	1.11 NTU	54.0 mV	8.95 ft	150.00 ml/min
10/18/2021 4:45 PM	20:00	6.34 pH	19.53 °C	182.18 µS/cm	4.92 mg/L	1.07 NTU	54.2 mV	8.95 ft	150.00 ml/min
10/18/2021 4:50 PM	25:00	6.35 pH	19.40 °C	181.79 µS/cm	4.96 mg/L	1.06 NTU	54.7 mV	8.95 ft	150.00 ml/min
10/18/2021 4:55 PM	30:00	6.36 pH	19.32 °C	181.00 µS/cm	5.03 mg/L	0.90 NTU	55.3 mV	8.95 ft	150.00 ml/min

## Samples

Sample ID:	Description:
GWC-1	EB-1

# Low-Flow Test Report:

Test Date / Time: 10/18/2021 3:13:59 PM

Project: Plant Scherer

Operator Name: Jude Waguespack

<b>Location Name: GWC-10</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.54 ft</b> <b>Total Depth: 40.54 ft</b> <b>Initial Depth to Water: 10.21 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 0.08 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
---	---	--

## 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	
10/18/2021 3:13 PM	00:00	5.97 pH	25.05 °C	195.54 µS/cm	4.43 mg/L	2.59 NTU	119.9 mV	10.21 ft	150.00 ml/min
10/18/2021 3:18 PM	05:00	6.15 pH	20.24 °C	178.92 µS/cm	1.33 mg/L	2.49 NTU	57.2 mV	10.29 ft	150.00 ml/min
10/18/2021 3:23 PM	10:00	6.18 pH	19.79 °C	180.91 µS/cm	1.22 mg/L	2.18 NTU	51.4 mV	10.29 ft	150.00 ml/min
10/18/2021 3:28 PM	15:00	6.19 pH	19.63 °C	179.96 µS/cm	1.19 mg/L	1.90 NTU	49.7 mV	10.29 ft	150.00 ml/min
10/18/2021 3:33 PM	20:00	6.21 pH	19.54 °C	180.10 µS/cm	1.18 mg/L	1.59 NTU	47.5 mV	10.29 ft	150.00 ml/min
10/18/2021 3:38 PM	25:00	6.22 pH	19.58 °C	179.85 µS/cm	1.15 mg/L	2.09 NTU	46.6 mV	10.29 ft	150.00 ml/min
10/18/2021 3:43 PM	30:00	6.23 pH	19.53 °C	179.06 µS/cm	1.13 mg/L	1.39 NTU	46.6 mV	10.29 ft	150.00 ml/min
10/18/2021 3:48 PM	35:00	6.24 pH	19.49 °C	177.49 µS/cm	1.22 mg/L	1.25 NTU	46.1 mV	10.29 ft	150.00 ml/min
10/18/2021 3:53 PM	40:00	6.25 pH	19.59 °C	175.63 µS/cm	1.24 mg/L	0.95 NTU	45.4 mV	10.29 ft	150.00 ml/min

## Samples

Sample ID:	Description:
GWC-10	DUP-1

# Low-Flow Test Report:

Test Date / Time: 10/7/2021 12:26:37 PM

Project: Plant Scherer

Operator Name: Yong Cheng Soo

<b>Location Name: GWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.7 ft</b> <b>Total Depth: 62.7 ft</b> <b>Initial Depth to Water: 36.82 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 54.1 ft</b> <b>Estimated Total Volume Pumped: 7286.667 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.29 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
---	---	--

## Test Notes:

## Weather Conditions:

Overcast

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
10/7/2021 12:26 PM	00:00	7.15 pH	23.86 °C	291.71 µS/cm	6.09 mg/L	0.42 NTU	150.4 mV	36.82 ft	200.00 ml/min
10/7/2021 12:31 PM	05:00	6.80 pH	21.45 °C	280.39 µS/cm	5.61 mg/L	0.94 NTU	170.9 mV	37.88 ft	200.00 ml/min
10/7/2021 12:33 PM	06:26	6.77 pH	21.09 °C	273.31 µS/cm	5.66 mg/L	0.71 NTU	158.0 mV	37.88 ft	200.00 ml/min
10/7/2021 12:38 PM	11:26	6.78 pH	20.64 °C	274.28 µS/cm	5.53 mg/L	0.83 NTU	136.9 mV	38.00 ft	200.00 ml/min
10/7/2021 12:43 PM	16:26	6.78 pH	20.48 °C	274.01 µS/cm	5.49 mg/L	0.42 NTU	115.3 mV	38.11 ft	200.00 ml/min
10/7/2021 12:48 PM	21:26	6.78 pH	20.51 °C	272.44 µS/cm	5.44 mg/L	0.40 NTU	120.6 mV	38.11 ft	200.00 ml/min
10/7/2021 12:53 PM	26:26	6.78 pH	20.51 °C	269.63 µS/cm	5.39 mg/L	0.13 NTU	123.5 mV	38.11 ft	200.00 ml/min
10/7/2021 12:58 PM	31:26	6.79 pH	20.47 °C	267.76 µS/cm	5.35 mg/L	0.23 NTU	125.2 mV	38.11 ft	200.00 ml/min
10/7/2021 1:03 PM	36:26	6.79 pH	20.51 °C	265.71 µS/cm	5.29 mg/L	0.07 NTU	126.7 mV	38.11 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-19	FB-1

**APPENDIX A**

# Instrument Calibration Forms



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

Instrument Calibration

Date: *4/1/21*  
 Time: *09:20* *Agrostroll* *13:10*

Parameter	Units	Standard	SmartROLL SN <i>728536</i> iPad # <i>97</i>	SmartROLL SN _____ iPad # _____	SmartROLL SN <i>728530</i> iPad # <i>110</i>	SmartROLL SN _____ iPad # _____
DO	% saturation	100	<i>107.75</i>		<i>106.58</i>	
Conductivity	us/cm	4490	<i>4476.63</i>		<i>4452.0</i>	
pH	pH	4.00	<i>7.92</i>	<i>7.05</i>	<i>7.63</i>	
pH	pH	7.00	<i>7.19</i>		<i>7.04</i>	<i>7.07</i>
pH	pH	10.00	<i>10.30</i>		<i>10.07</i>	
ORP	mV	228.00	<i>237.7</i>		<i>238.6</i>	

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

Date: *4/2/21*  
 Time: *07:45*

Parameter	Units	Standard	SmartROLL SN <i>728539</i> iPad # <i>110</i>	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	<i>115.62</i>			
Conductivity	us/cm	4490	<i>4479.1</i>			
pH	pH	4.00	<i>7.02</i>			
pH	pH	7.00	<i>7.05</i>			
pH	pH	10.00	<i>10.12</i>			
ORP	mV	228.00	<i>237.9</i>			

Turbidity	Units	Standard	LaMotte SN <i>1392-178</i>	LaMotte SN <i>1394-267</i>	LaMotte SN <i>1438-191</i>	LaMotte SN _____
	NTU	0.0	<i>0.0</i>	<i>0.0</i>	<i>0.01</i>	
	NTU	1.0	<i>1.01</i>	<i>1.01</i>	<i>1.01</i>	
	NTU	10.0	<i>10.01</i>	<i>10.02</i>	<i>10.03</i>	

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



\*include daily mid-day pH check\*

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

Instrument Calibration  
 Date: 4/5/21 4/5/21 4/6/21 4/6/21  
 Time: 0840 0955 0750 0808

Parameter	Units	Standard	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN 728541 iPad # 17	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN 728541 iPad # 37
DO	% saturation	100	107.41	99.91	92.85	100.33
Conductivity	us/cm	4400	4512.0	4589.2	4508	4504.3
pH	S.U.	4.00	4.04	4.03	4.04	4.02
pH	S.U.	7.00	7.04/7.07 <sup>mid</sup>	7.07	7.03	7.04
pH	S.U.	10.00	10.08	10.07	10.09	10.04
ORP	mV	220.00	224.4	240.6	226.2	221.4

Turbidity	Units	Standard	LaMotte SN 4292-1914	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	0.0			
	NTU	1.0	1.02			
	NTU	10.0	10.01			

Date:  
Time:

Parameter	Units	Standard	SmarTROLL SN 72 iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	220.00				

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

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

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

**Instrument Calibration**

Date: *03/01/21*  
 Time: *0730*

Parameter	Units	Standard	SmartROLL SN <i>728623</i> iPad # <i>72</i>	SmartROLL SN <i>728566</i> iPad # <i>72</i>	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	<i>99.58</i>	<i>99.75</i>		
Conductivity	us/cm	4400	<i>4599.7</i>	<i>4599.5</i>		
pH	S.U.	4.00	<i>4.04</i>	<i>4.00</i>		
pH	S.U.	7.00	<i>7.04</i>	<i>7.06</i>		
pH	S.U.	10.00	<i>10.09</i>	<i>10.06</i>		
ORP	mV	228.00	<i>235.1</i>	<i>232.5</i>		

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

Date: *4/2/21*  
 Time: *0800*

Parameter	Units	Standard	SmartROLL SN <i>728548</i> iPad # <i>72</i>	SmartROLL SN <i>728566</i> iPad # <i>72</i>	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	<i>99.02</i>	<i>99.98</i>		
Conductivity	us/cm	4400	<i>4433.3</i>	<i>4433.7</i>		
pH	S.U.	4.00	<i>4.00</i>	<i>4.01</i>		
pH	S.U.	7.00	<i>7.02</i>	<i>7.00</i>		
pH	S.U.	10.00	<i>10.08</i>	<i>10.09</i>		
ORP	mV	228.00	<i>249.9</i>	<i>244.7</i>		

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

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

\*Include daily mid-day pH check\*

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

Instrument Calibration

Date: 04/01/21  
 Time: 0845

Parameter	Units	Standard	SmarTROLL SN <u>72523</u> iPad # <u>77</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>99.91</u>			
Conductivity	us/cm	4490	<u>4529.1</u>			
pH	S.U.	4.00	<u>4.09</u>			
pH	S.U.	7.00	<u>7.04</u>			
pH	S.U.	10.00	<u>10.07</u>			
ORP	mV	228.00	<u>225.2</u>			

Turbidity	Units	Standard	LaMotte SN <u>710-0111</u>	LaMotte SN <u>718-378</u>	LaMotte SN	LaMotte SN
	NTU	0.0	<del>0.00</del> <u>0.00</u>	<u>0.06</u>		
	NTU	1.0	<u>1.03</u>	<u>0.94</u>		
	NTU	10.0	<u>9.47</u>	<u>10.00</u>		

Date:  
 Time:

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

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

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

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

Instrument Calibration

Date: 3/30/21  
 Time: 0800

3/31/2018 4/12/2015

Parameter	Units	Standard	SmartROLL SN 92381 iPad # 27	SmartROLL SN 78354 iPad # 27	SmartROLL SN 657057 iPad #	SmartROLL SN 228150 iPad #
DO	% saturation	100	101.93	100.70	95.91.2	
Conductivity	us/cm	4400	5.310	4329.4	4489	
pH	S.U.	4.00	4.01	4.01	4.17	4.00
pH	S.U.	7.00	7.09321	6.98	6.98	
pH	S.U.	10.00	10.43	10.00	9.84	
ORP	mV	220.00	233.4	17.39	248.6	

Turbidity	Units	Standard	LaMotte SN 1438-3911	LaMotte SN 710-0711	LaMotte SN 4392-188	LaMotte SN 2289-2612
	NTU	0.0	0.04	0.02	0.0	0.01
	NTU	1.0	1.95	1.12	0.99	0.32
	NTU	10.0	10.70	14.90	10.02	10.30

Date: 4/12/2014  
 Time:

Parameter	Units	Standard	SmartROLL SN 227-2612 iPad #	SmartROLL SN 78354 iPad # 27	SmartROLL SN	SmartROLL SN
DO	% saturation	100		98.92		
Conductivity	us/cm	4400		4485.1		
pH	S.U.	4.00		4.00		
pH	S.U.	7.00		7.06		
pH	S.U.	10.00		10.06		
ORP	mV	220.00		239.7		

Turbidity	Units	Standard	LaMotte SN 2289-2612	LaMotte SN 710-0711	LaMotte SN 4392-188	LaMotte SN 1438-3911
	NTU	0.0	0.0	-0.12	-0.01	0.05
	NTU	1.0	0.32	0.98	1.06	1.02
	NTU	10.0	11.27	12.9	9.67	8.03

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

"Include daily mid-day pH check"

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

Instrument Calibration

Date: 3/23/21  
 Time: 09:25

Parameter	Units	Standard	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

91181 9190

Turbidity	Units	Standard	LaMotte SN 4337-2612	LaMotte SN 710-0711	LaMotte SN 4392-174	
	NTU	0.0	-0.01	0.09	0.01	-0.09
	NTU	1.0	1.01	2.29	0.71	1.29
	NTU	10.0	10.43	10.53	12.40	9.56

Date: 3/23/21  
 Time: 10:30

Parameter	Units	Standard	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #
DO	% saturation	100	100.33			
Conductivity	us/cm	4400	4656.6			
pH	S.U.	4.00	4.03			
pH	S.U.	7.00	7.05			
pH	S.U.	10.00	10.07			
ORP	mV	228.00	221.1			

Turbidity	Units	Standard	LaMotte SN 710-0711	LaMotte SN 4392-174	LaMotte SN	LaMotte SN
	NTU	0.0	0.01	-0.03		
	NTU	1.0	1.00	1.05		
	NTU	10.0	10.01	10.03		

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

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

Instrument Calibration

Date: 02/20/21  
 Time: 0700

Parameter	Units	Standard	SmartROLL SN 728623 iPad # 110	SmartROLL SN 728572 iPad # 72	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	99.47	101.73		
Conductivity	us/cm	4400	4616.9	4346.3		
pH	S.U.	4.00	4.10	4.01		
pH	S.U.	7.00	7.06	7.18		
pH	S.U.	10.00	10.06	10.27		
ORP	mV	228.00	227.7	222.3		

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

Date: 03/31/21  
 Time: 0710

Parameter	Units	Standard	SmartROLL SN 728623 iPad # 110	SmartROLL SN 728566 iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	100.45	91.87		
Conductivity	us/cm	4400	4331.2	438.8		
pH	S.U.	4.00	4.05	4.01		
pH	S.U.	7.00	7.01	7.03		
pH	S.U.	10.00	10.11	10.06		
ORP	mV	228.00	212.0	222.7		

Turbidity	Units	Standard	LaMotte SN 28-4211	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	-0.9			
	NTU	1.0	0.87			
	NTU	10.0	11.7			

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

\*Include daily mid-day pH check\*

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

Instrument Calibration

Date: 04/02/21  
 Time: 0745

Parameter	Units	Standard	SmarTROLL SN <u>128622</u> iPad # <u>52</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>99.78</u>			
Conductivity	us/cm	4490	<u>4523.7</u>			
pH	S.U.	4.00	<u>4.01</u>			
pH	S.U.	7.00	<u>7.05</u>			
pH	S.U.	10.00	<u>10.08</u>			
ORP	mV	228.00	<u>246.1</u>			

Turbidity	Units	Standard	LaMotte SN <u>710-6711</u>	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	<u>0.01</u>			
	NTU	1.0	<u>0.94</u>			
	NTU	10.0	<u>10.61</u>			

Date:  
 Time:

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

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

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





March-April 2021

### Daily Calibration Log

100236021

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

#### Instrument Calibration

Date: 04/07/21  
 Time: 0900

Parameter	Units	Standard	SmartROLL SN <u>718027</u> iPad # <u>99</u>	SmartROLL SN <u>720041</u> iPad # <u>77</u>	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490	<u>4511.0</u>	<u>4550.0</u>		
pH	S.U.	4.00	<u>4.01</u>	<u>4.01</u>		
pH	S.U.	7.00	<u>7.02</u>	<u>6.99</u>		
pH	S.U.	10.00	<u>9.97</u>	<u>10.01</u>		
ORP	mV	228.00	<u>225.7</u>	<u>226.3</u>		

Turbidity	Units	Standard	LaMotte SN <u>704010</u>	LaMotte SN <u>4222-1319</u>	LaMotte SN	LaMotte SN
	NTU	0.0	<u>0.07</u>	<u>0.03</u>		
	NTU	1.0	<u>0.98</u>	<u>1.07</u>		
	NTU	10.0	<u>9.95</u>	<u>10.05</u>		

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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

\*include daily mid-day pH check\*

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

Instrument Calibration

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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

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

Instrument Calibration

Date: *4-7-21*  
 Time: *1100*

Parameter	Units	Standard	SmartROLL SN <u>7288</u> iPad # <u>110</u>	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	<i>101.4</i>			
Conductivity	us/cm	4490	<i>780.6</i>			
pH	N.U.	4.00	<i>6.82</i>			
pH	N.U.	7.00	<i>6.98</i>			
pH	N.U.	10.00	<i>10.00</i>			
ORP	mV	228.00	<i>225.9</i>			

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

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	N.U.	4.00				
pH	N.U.	7.00				
pH	N.U.	10.00				
ORP	mV	228.00				

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

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

\*Include daily mid-day pH check\*

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

Instrument Calibration

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	220.00				

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

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	220.00				

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

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

\*include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff D. Thomas / J. Waguespack

Instrument Calibration

Date: 6/1/21 6/2/21  
 Time: 10:53 08:59

Parameter	Units	Standard	SmarTROLL SN <u>512715</u> iPad # <u>77</u>	SmarTROLL SN <u>512713</u> iPad # <u>77</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	96.5	96.3		
Conductivity	us/cm	4490	4422	4472		
pH	S.U.	4.00	4.15	4.14		
pH	S.U.	7.00	7.07	7.07		
pH	S.U.	10.00	9.93	9.91		
ORP	mV	228.00	225.8	225.6		

Turbidity	Units	Standard	LaMotte SN <u>5273-1514</u>	LaMotte SN <u>5273-1514</u>	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	-0.03	0.01		
	NTU	1.0	1.08	0.92		
	NTU	10.0	9.23	10.45		

Date:  
 Time:

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

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

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

Project Plant Scherer  
 Field Staff D. Thomas / J.Waguespack

\*include daily mid-day pH check\*

Instrument Calibration

Date: 06/01/21  
 Time: 10:55

Parameter	Units	Standard	SmarTROLL SN <u>477519</u> iPad # <u>10</u>	SmarTROLL SN <u>511517</u> iPad # <u>10</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	95.9	98.0		
Conductivity	us/cm	4490	4370	4357		
pH	S.U.	4.00	4.21	4.17		
pH	S.U.	7.00	7.10	7.11		
pH	S.U.	10.00	9.96	9.90		
ORP	mV	228.00	224.3	221.6		

Turbidity	Units	Standard	LaMotte SN <u>2952-043</u>	LaMotte SN <u>2953-073</u>	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.0	-0.01		
	NTU	1.0	0.93	0.78		
	NTU	10.0	10.0	10.65		

Date:  
 Time:

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

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

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

August 2021

Daily Calibration Log

100235021.100.02 - AP1, P2s, North Property  
100235021.200.02 - Cell 1, PAC Ash, Cell 5

Project Plant Scherer *\*Include daily mid-day pH check\**  
Field Staff J. Weguespeck / E. Rheams / D. Cox / N. Tejeda / A. McCullough

Instrument Calibration

Date: 8/10/21 | 8/10/21 | 8/12/21  
Time: 0845 | |

Parameter	Units	Standard	SmarTROLL SN 512733 iPad # 91	SmarTROLL SN 511714 iPad # 92	SmarTROLL SN 512733 iPad # 92	SmarTROLL SN 512733 iPad # 92
DO	% saturation	100	100.6	95.9	95.9	98.5
Conductivity	us/cm	4400	4523	4348	4443	4903
pH	S.U.	4.00	4.15	4.15	4.16	4.19
pH	S.U.	7.00	7.05	6.98	7.12	7.13
pH	S.U.	10.00	9.90	9.76	10.02	10.02
ORP	mV	220.00	216.3	219.9	215.1	215.5

Turbidity	Units	Standard	LaMotte SN 4392-1914	LaMotte SN 2999-0913	LaMotte SN 4392-1914	LaMotte SN 4392-1914
	NTU	0.0	0.0	0.0	0.0	0.0
	NTU	1.0	0.99	0.99	1.22	1.02
	NTU	10.0	10.02	10.00	7.63	7.63

MID-DAY pH

Date: 8/10/21 | 8/10/21 | 8/12/21 | 8/12/21  
Time: 12:52 | 13:04 | 08:10 | 08:43

Parameter	Units	Standard	SmarTROLL SN 512733 iPad # 91	SmarTROLL SN 512733 iPad # 92	SmarTROLL SN 512733 iPad # 92	SmarTROLL SN 728638 iPad # 72
DO	% saturation	100	-	-	96.6%	100.67
Conductivity	us/cm	4400	-	-	4767	4978.2
pH	S.U.	4.00	4.20	-	4.20	3.99 <sup>4.2</sup>
pH	S.U.	7.00	-	7.02	7.10	7.05
pH	S.U.	10.00	-	-	9.97	10.94
ORP	mV	220.00	-	-	216.2	224.7

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN 1477-001	LaMotte SN 7273-2612
	NTU	0.0			0.01	0.01
	NTU	1.0			1.12	1.02
	NTU	10.0			9.97	9.94

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

\*include daily mid-day pH check\*

Project Plant Scherer  
Field Staff J. Weguespack / E. Rheams / D. Cox / N. Tajeda

Instrument Calibration  
Date: 08-19-21 | 08-20-21  
Time: 08:36 | 07:20

Parameter	Units	Standard	SmartROLL SN 728638 iPad # 72	SmartROLL SN 728617 iPad # 72	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	100.0%	103.9%		
Conductivity	us/cm	4490	4582.3	4689.8		
pH	S.U.	4.00	4.60	4.03		
pH	S.U.	7.00	6.97	7.04		
pH	S.U.	10.00	9.92	10.04		
ORP	mV	228.00	226.7	228.5		

Turbidity	Units	Standard	LaMotte SN 2273-263	LaMotte SN 2273-262	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.01	0.00		
	NTU	1.0	1.11	1.20		
	NTU	10.0	9.19	9.08		

Date:  
Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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



August 2021

Daily Calibration Log

105235021 100.02 - AP1, P2s, North Property  
105235021 200.02 - Cell 1, PAD Ash, Cell 3

Project Plant Scherer \*Include daily mid-day pH check\*  
Field Staff J. Waguespack / R. Rheansy / D. Cox / N. Tejada

Instrument Calibration

Date: 08/10/21 08/11/21 08/12/21  
Time: 1000 0745 0800

Parameter	Units	Standard	SmartTROLL SN 408816 iPad # 93	SmartTROLL SN 405016 iPad # 93	SmartTROLL SN 405016 iPad # 93	SmartTROLL SN iPad #
DO	% saturation	100	98.5%	99.2%	100.3%	
Conductivity	us/cm	4400	4466	4519	4481	
pH	S.U.	4.00	4.07	4.10	4.17	
pH	S.U.	7.00	7.00	6.99	6.99	
pH	S.U.	10.00	9.86	9.83	9.80	
ORP	mV	228.00	218.1	217.2	217.3	

Avg: 4.12 Avg: 7.01

Turbidity	Units	Standard	LaMotte SN 1979	LaMotte SN 1979	LaMotte SN 1979	LaMotte SN
	NTU	0.0	0.00	0.00	-0.04	
	NTU	1.0	6.05	6.07	6.08	
	NTU	10.0	10.04	9.99	10.13	

Date: 08/11/21 08/12/21 08/13/21 08/14/21  
Time: 0800 0800 0800 0800

Parameter	Units	Standard	SmartTROLL SN 512713 iPad # 92	SmartTROLL SN 512713 iPad # 91	SmartTROLL SN 512713 iPad # 91	SmartTROLL SN 512713 iPad # 91
DO	% saturation	100	91.8	96.2	95.7	95.7
Conductivity	us/cm	4400	4457	4462	5140	6124
pH	S.U.	4.00	4.29	4.38	4.28	4.30
pH	S.U.	7.00	7.04	7.13	7.08	7.07
pH	S.U.	10.00	9.83	9.95	9.93	9.86
ORP	mV	228.00	217.0	216.3	219.3	210.5

Avg: 9.87 Avg: 9.23 Avg: 7.12

Turbidity	Units	Standard	LaMotte SN 1979-401	LaMotte SN 1979-401	LaMotte SN 1979-401	LaMotte SN 1979-401
	NTU	0.0	-0.02	-0.00	-0.00	0.07
	NTU	1.0	1.02	0.93	0.94	1.00
	NTU	10.0	10.00	9.99	9.96	10.00

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



August 2021

Daily Calibration Log

106235021\_100.02 - AP1, P2s, North Property  
 106235021\_200.02 - Cell 1, PAD Ash, Cell 2

\*Include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff J. Wagunspack / E. Rheams / D. Cox / N. Tejada

Instrument Calibration

Date: 8/20/21  
 Time: 10:30

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100	100	100		
Conductivity	us/cm	4400	4100	4200		
pH	S.U.	4.00	4.00	4.00		
pH	S.U.	7.00	7.00	7.00		
pH	S.U.	10.00	10.00	10.00		
ORP	mV	228.00	228	228		

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

Date: 8/20/21  
 Time: 1:30

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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

Page 20 - Plant Scherer - PPH 10/20/21

August 2021

Daily Calibration Log

100230021.100.02 - AP1, PZs, North Property  
100230021.200.02 - Cell 1, PAC Ash, Cell 3

Project Plant Scherer  
Field Staff J. Wagenspack / E. Rheams *CS* / N. Tejada *CS* **\*Include daily mid-day pH check\*** *8/17/21 12:00 PM 9.00 → 9.08 12:45*

Instrument Calibration

Date: *8/11/21* *8/12/21* *8/13/21* *8/17/21*  
Time: *8:30* *9:00* *8:00* *8:00*

Parameter	Units	Standard	SmartROLL SN <i>5917.8</i> iPad # <i>91</i>	SmartROLL SN <i>5917.9</i> iPad # <i>91</i>	SmartROLL SN <i>5917.9</i> iPad # <i>91</i>	SmartROLL SN <i>4050.6</i> iPad # <i>93</i>
DO	% saturation	100	<i>92.0</i>	<i>92.0</i>	<i>100.4</i>	<i>99.4</i>
Conductivity	us/cm	4400	<i>4564</i>	<i>4384</i>	<i>4422</i>	<i>4614</i>
pH	S.U.	4.00	<i>4.15</i>	<i>4.14</i>	<i>4.10</i>	<i>4.21</i>
pH	S.U.	7.00	<i>7.02</i>	<i>7.02</i>	<i>6.99</i>	<i>6.97</i>
pH	S.U.	10.00	<i>10.02</i>	<i>9.78</i>	<i>9.79</i>	<i>9.77</i>
ORP	mV	228.00	<i>212.9</i>	<i>212.0</i>	<i>212.3</i>	<i>219.4</i>

Turbidity	Units	Standard	LaMotte SN <i>2949</i>	LaMotte SN <i>2949</i>	LaMotte SN <i>2949</i>	LaMotte SN <i>2949</i>
	NTU	0.0	<i>-0.01</i>	<i>-0.00</i>	<i>0.01</i>	<i>0.0</i>
	NTU	1.0	<i>0.78</i>	<i>0.81</i>	<i>0.75</i>	<i>1.13</i>
	NTU	10.0	<i>10.43</i>	<i>10.08</i>	<i>10.42</i>	<i>9.73</i>

Date: *8/14/21* *8/14/21* *8/14/21* *8/14/21*  
Time: *9:00* *9:00* *9:00* *9:00*

Parameter	Units	Standard	SmartROLL SN <i>4050.6</i> iPad # <i>93</i>	SmartROLL SN <i>4050.6</i> iPad # <i>93</i>	SmartROLL SN	SmartROLL SN
DO	% saturation	100	<i>99.1</i>	<i>100.5</i>		
Conductivity	us/cm	4400	<i>4777</i>	<i>4793</i>		
pH	S.U.	4.00	<i>4.22</i>	<i>4.25</i>		
pH	S.U.	7.00	<i>6.99</i>	<i>6.93</i>		
pH	S.U.	10.00	<i>9.74</i>	<i>9.74</i>		
ORP	mV	228.00	<i>212.9</i>	<i>214.0</i>		

Turbidity	Units	Standard	LaMotte SN <i>2949</i>	LaMotte SN <i>2949</i>	LaMotte SN	LaMotte SN
	NTU	0.0	<i>0.0</i>	<i>-0.02</i>		
	NTU	1.0	<i>1.34</i>	<i>1.28</i>		
	NTU	10.0	<i>9.78</i>	<i>9.70</i>		

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

August 2021

**Daily Calibration Log**

160235021\_100.02 - AP1, P2s, North Property  
 160235021\_200.02 - Cell 1, PAC Ash, Cell 3

**"Include daily mid-day pH check"**

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

**Instrument Calibration**

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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

August 2021

Daily Calibration Log

166235021, 100 02 - API, PZs, North Property  
166235021 200 02 - Cell 1, PAC Ash, Cell 3

Project Plant Scherer *\*include daily mid-day pH check\**  
Field Staff J. Weguespack / E. Rheams / D. Cox / N. Tejeda mid day pH check @ 12:40 on 8-11-2021  
pH 4.00 = 4.15

Instrument Calibration  
Date: 8/11/2021 8/12/2021 8/13/2021 8/13/2021  
Time: 9:30 8:02 8:09 8:10

Parameter	Units	Standard	SmartROLL SN 553035 iPad # 99	SmartROLL SN 553035 iPad # 99	SmartROLL SN 553035 iPad # 99	SmartROLL SN 553035 iPad # 99
DO	% saturation	100	100.1	104.1	103.1	109.8
Conductivity	us/cm	4400	4737	4975	4684	4524
pH	S.U.	4.00	4.11	4.12	4.09	4.10
pH	S.U.	7.00	7.05	7.07	7.06	7.05
pH	S.U.	10.00	9.91	9.92	9.90	9.88
ORP	mV	228.00	221.3	221.0	219.8	219.6

pH check @ 12:35  
on 8-12-2021  
pH 4.00 = 4.02

Turbidity	Units	Standard	LaMotte SN 2491	LaMotte SN 2491	LaMotte SN 2491-332	LaMotte SN 2491-332
	NTU	0.0	-0.04	0.09	0.00	0.00
	NTU	1.0	0.93	0.90	0.99	1.06
	NTU	10.0	9.91	9.67	10.00	9.99

Date: 8/12/2021 8/18/2021  
Time: 8:09 8:11 5:47PM

Parameter	Units	Standard	SmartROLL SN 553035 iPad # 99	SmartROLL SN 553035 iPad # 99	SmartROLL SN 541914 iPad # 99	SmartROLL SN _____ iPad # _____
DO	% saturation	100		97.3	91.8	
Conductivity	us/cm	4400	<del>4737</del>	4292	4246	
pH	S.U.	4.00	<del>4.11</del>	4.36	4.28	
pH	S.U.	7.00		7.15	7.13	
pH	S.U.	10.00		9.83	9.85	
ORP	mV	228.00		219.3	216.7	

pH check @ 12:00  
on 8-17-2021  
pH = 4.00 = 4.00  
  
pH check @ 13:24  
on 8-18-2021  
pH 4.00 = 3.95  
  
pH check @ 12:01  
on 8-19-2021  
pH 4.00 = 4.09

Turbidity	Units	Standard	LaMotte SN 2491-332	LaMotte SN 2491-332	LaMotte SN 2491-332	LaMotte SN _____
	NTU	0.0	-0.02	0.00	-0.01	
	NTU	1.0	1.11	1.10	0.99	
	NTU	10.0	9.95	9.90	9.97	

\* smart roll not calibrating correctly on 8/18/2021 used another

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

August 2021

**Daily Calibration Log**

100235021.100.02 - AP1, P2s, North Property  
 100235021.200.02 - Cell 1, PAC Ash, Cell 3

**\*Include daily mid-day pH check\***

Project Plant Scherer  
 Field Staff J. Weguspack / E. Rivers / D. Cox / N. Tejada

**Instrument Calibration**

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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



3, 4, 7, 8  
PB-5 (24)

August 2021

Daily Calibration Log

166235021.100.02 - AP1, P2a, North Property  
166235021.200.02 - Cell 1, PAC Ash, Cell 3

PB-6 (28)

Project Plant Scherer  
Field Staff J. Waguespack / E. Rheams / D. Cox / N. Tejeda / C. T. O'Neil  
*\*include daily mid-day pH check\**

Instrument Calibration

Date: 8/17/21 8/17/21 8/18/21 8/19/21  
Time: 08:20 12:10 08:45 13:00 pH check

Parameter	Units	Standard	SmartROLL SN 52733 iPad # 91	SmartROLL SN 820735 iPad #	SmartROLL SN 520733 iPad #	SmartROLL SN 520735 iPad #
DO	% saturation	100	100.5	109.86	93.19	-
Conductivity	us/cm	4400	4522	4532.2	4382.1	-
pH	S.U.	4.00	4.24	3.98	3.99	3.98 (Adjusted)
pH	S.U.	7.00	7.13	6.96	6.99	-
pH	S.U.	10.00	9.97	9.94	9.96	-
ORP	mV	228.00	216.2	229.2	228.7	-

Turbidity	Units	Standard	LaMotte SN 432-TM	LaMotte SN 432-TM	LaMotte SN 432-TM	LaMotte SN	
	NTU	0.0	0.3	<del>0.3</del>	<del>0.3</del>	2.0	
	NTU	1.0	1.0	<del>1.0</del>	<del>1.0</del>	0.71	
	NTU	10.0	9.95	<del>10.0</del>	<del>10.0</del>	10.01	

Date: 8/19/21  
Time:

Parameter	Units	Standard	SmartROLL SN 52733 iPad #	SmartROLL SN iPad #	SmartROLL SN iPad #	SmartROLL SN iPad #
DO	% saturation	100	99.46			
Conductivity	us/cm	4400	4407.6	4407.6		
pH	S.U.	4.00	4.03			
pH	S.U.	7.00	7.01			
pH	S.U.	10.00	10.01			
ORP	mV	228.00	225.2			

Turbidity	Units	Standard	LaMotte SN 432-TM	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	0.00			
	NTU	1.0	1.11			
	NTU	10.0	9.99			

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



August 2021

Daily Calibration Log

100235021.100.02 - AP1, PZs, North Property  
 100235021.200.02 - Cell 1, PAO Ash, Cell 5

\*Include daily mid-day pH check\*

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

Instrument Calibration

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

Date:  
 Time:

Parameter	Units	Standard	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____	SmartROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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





Project Plant Scherer  
 Field Staff Yong Chang Seo

\*Include daily mid-day pH check\*

Instrument Calibration

Date: 10/7/2021  
 Time: 10:20

Parameter	Units	Standard	SmarTROLL SN <u>84328</u> iPad # <u>74</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>100.96</u>			
Conductivity	us/cm	4400	<u>38825</u>			
pH	S.U.	4.00	<u>4.88</u>			
pH	S.U.	7.00	<u>6.53</u>			
pH	S.U.	10.00	<u>9.77</u>			
ORP	mV	228.00	<u>328.4</u>			

Turbidity	Units	Standard	LaMotte SN <u>1603</u>	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	<u>0.0</u>			
	NTU	1.0	<u>1.0</u>			
	NTU	10.0	<u>10.0</u>			

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4400				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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

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

Project Plant Scherer  
Field Staff Jane Wilson

\*Include daily mid-day pH check\*

Instrument Calibration

Date: 10-15-21      10-12-21  
Time: 09:04      10:45

Parameter	Units	Standard	SmarTROLL SN <u>P11225</u> iPad # <u>79</u>	SmarTROLL SN <u>P11326</u> iPad # <u>79</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>92.00</u>	<u>91.76</u>		
Conductivity	us/cm	4490	<u>4465.9</u>	<u>4624.1</u>		
pH	S.U.	4.00	<u>4.02</u>	<u>4.03</u>		
pH	S.U.	7.00	<u>7.03</u>	<u>7.02</u>		
pH	S.U.	10.00	<u>10.04</u>	<u>10.05</u>		
ORP	mV	228.00	<u>227.3</u>	<u>231.2</u>		

Turbidity	Units	Standard	LaMotte SN <u>5296-1715</u>	LaMotte SN <u>5296-1715</u>	LaMotte SN	LaMotte SN
	NTU	0.0	<u>0.0</u>	<u>-0.01</u>		
	NTU	1.0	<u>0.79</u>	<u>1.25</u>		
	NTU	10.0	<u>7.62</u>	<u>7.77</u>		

Date:  
Time:

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

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

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

**APPENDIX B**

**LABORATORY ANALYTICAL DATA,  
LABORATORY ACCREDITATION &  
DATA VALIDATION SUMMARIES**

**APPENDIX B**

Laboratory Analytical Data  
March-April 2021

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119474-1

Client Project/Site: Plant Scherer Cell 1 Major Ions  
Revision: 1

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
5/6/2021 8:35:05 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	14
QC Sample Results . . . . .	37
QC Association Summary . . . . .	44
Chain of Custody . . . . .	48
Receipt Checklists . . . . .	53

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

---

**Job ID: 180-119474-1**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

---

**Narrative**

**Job Narrative  
180-119474-1**

**Comments**

050621 Remove the following sample at client request because it was collected twice: GWC-8A (180-119474-8). April 1st collection results not needed. This report replaces the report previously issued on 042621.

**Receipt**

The samples were received on 4/3/2021 10:45 AM, 4/7/2021 9:30 AM and 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 13 coolers at receipt time were 2.9° C, 2.9° C, 2.9° C, 2.9° C, 3.2° C, 3.4° C, 3.6° C, 3.7° C, 3.7° C, 3.8° C, 3.8° C, 3.8° C and 3.8° C.

**Receipt Exceptions**

The Field Sampler was not listed on the Chain of Custody.

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): EB CELL 1 (180-119474-15). The container labels list a sample collection time of 14:05, while the COC lists 13:39. The time on the COC was used.

**Metals**

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

**Field Service / Mobile Lab**

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

**General Chemistry**

Method SM 2320B: The sample duplicate precision for the following sample associated with analytical batch 180-353175 was outside control limits: (180-119474-A-14 DU). Non-homogeneity of the sample matrix is suspected. Sample was reanalyzed and met criteria. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

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 Cell 1 Major Ions

Job ID: 180-119474-1

## Qualifiers

### Metals

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.

### General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119474-1	GWA-15	Water	04/01/21 09:51	04/03/21 10:45	
180-119474-2	GWA-16	Water	04/01/21 10:46	04/03/21 10:45	
180-119474-3	GWA-17	Water	04/01/21 13:25	04/03/21 10:45	
180-119474-4	GWC-1	Water	04/01/21 15:52	04/03/21 10:45	
180-119474-5	GWC-2	Water	04/01/21 16:16	04/03/21 10:45	
180-119474-6	GWC-5	Water	04/01/21 14:20	04/03/21 10:45	
180-119474-7	GWC-7	Water	04/01/21 14:35	04/03/21 10:45	
180-119474-9	GWC-9	Water	04/01/21 12:08	04/03/21 10:45	
180-119474-10	GWC-10	Water	04/01/21 16:23	04/03/21 10:45	
180-119474-11	GWC-11	Water	04/01/21 13:39	04/03/21 10:45	
180-119474-12	GWC-12	Water	04/01/21 12:21	04/03/21 10:45	
180-119474-13	GWC-14	Water	04/01/21 10:47	04/03/21 10:45	
180-119474-14	GWC-18	Water	04/01/21 11:57	04/03/21 10:45	
180-119474-15	EB CELL 1	Water	04/01/21 13:39	04/03/21 10:45	
180-119474-16	FB CELL 1	Water	04/01/21 12:45	04/03/21 10:45	
180-119474-17	DUP CELL 1	Water	04/01/21 00:00	04/03/21 10:45	
180-119484-1	GWC-4	Water	04/02/21 11:46	04/03/21 10:45	
180-119604-1	GWC-6	Water	04/05/21 16:42	04/07/21 09:30	
180-119604-2	GWC-8A	Water	04/05/21 12:54	04/07/21 09:30	
180-119604-3	GWC-19	Water	04/05/21 12:50	04/07/21 09:30	
180-119604-4	GWC-20	Water	04/05/21 11:50	04/07/21 09:30	
180-119761-1	GWC-3	Water	04/06/21 11:46	04/09/21 09:30	
180-119761-2	GWC-13	Water	04/06/21 15:00	04/09/21 09:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
SM2320 B	Alkalinity, Total	SM18	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Client Sample ID: GWA-15

## Lab Sample ID: 180-119474-1

Date Collected: 04/01/21 09:51

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:38	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 18:37	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 09:51	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWA-16

## Lab Sample ID: 180-119474-2

Date Collected: 04/01/21 10:46

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:41	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 18:46	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 10:46	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWA-17

## Lab Sample ID: 180-119474-3

Date Collected: 04/01/21 13:25

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:45	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 18:54	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 13:25	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWC-1

## Lab Sample ID: 180-119474-4

Date Collected: 04/01/21 15:52

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:48	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 19:03	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 15:52	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-2**  
**Date Collected: 04/01/21 16:16**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119474-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:52	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 19:31	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 16:16	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-5**  
**Date Collected: 04/01/21 14:20**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119474-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:55	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 19:49	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 14:20	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-7**  
**Date Collected: 04/01/21 14:35**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119474-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:58	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 19:57	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 14:35	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-9**  
**Date Collected: 04/01/21 12:08**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119474-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:12	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:15	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 12:08	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Client Sample ID: GWC-10

## Lab Sample ID: 180-119474-10

Date Collected: 04/01/21 16:23

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:16	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:24	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 16:23	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWC-11

## Lab Sample ID: 180-119474-11

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:19	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:33	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 13:39	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWC-12

## Lab Sample ID: 180-119474-12

Date Collected: 04/01/21 12:21

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:22	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:42	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 12:21	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWC-14

## Lab Sample ID: 180-119474-13

Date Collected: 04/01/21 10:47

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:26	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:51	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 10:47	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Client Sample ID: GWC-18

Date Collected: 04/01/21 11:57

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119474-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:29	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 21:48	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 11:57	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: EB CELL 1

Date Collected: 04/01/21 13:39

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119474-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:33	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:05	REI	TAL PIT
		Instrument ID: PCTITRATOR								

## Client Sample ID: FB CELL 1

Date Collected: 04/01/21 12:45

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119474-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:36	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:14	REI	TAL PIT
		Instrument ID: PCTITRATOR								

## Client Sample ID: DUP CELL 1

Date Collected: 04/01/21 00:00

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119474-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:40	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:22	REI	TAL PIT
		Instrument ID: PCTITRATOR								

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-4**  
**Date Collected: 04/02/21 11:46**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119484-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:25	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353175	04/15/21 02:12	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 11:46	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-6**  
**Date Collected: 04/05/21 16:42**  
**Date Received: 04/07/21 09:30**

**Lab Sample ID: 180-119604-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:07	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 14:25	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 16:42	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-8A**  
**Date Collected: 04/05/21 12:54**  
**Date Received: 04/07/21 09:30**

**Lab Sample ID: 180-119604-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:31	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 14:43	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 12:54	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-19**  
**Date Collected: 04/05/21 12:50**  
**Date Received: 04/07/21 09:30**

**Lab Sample ID: 180-119604-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:34	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 14:52	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 12:50	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-119604-4**

Date Collected: 04/05/21 11:50

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:38	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 15:01	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 11:50	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-3**

**Lab Sample ID: 180-119761-1**

Date Collected: 04/06/21 11:46

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:12	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:02	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 11:46	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-119761-2**

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:30	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:11	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 15:00	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Laboratory References:**

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

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

TJO = Tyler Oliver

Batch Type: Analysis

FDS = Sampler Field

REI = Rachel Innocenzi

RSK = Robert Kurtz

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWA-15**

**Lab Sample ID: 180-119474-1**

Date Collected: 04/01/21 09:51

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.0		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:38	1
Potassium	0.23	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:38	1
Sodium	4.9		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	36		5.0	5.0	mg/L			04/14/21 18:37	1
Bicarbonate Alkalinity as CaCO3	36		5.0	5.0	mg/L			04/14/21 18:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 18:37	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.31				SU			04/01/21 09:51	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-119474-2**

Date Collected: 04/01/21 10:46

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.7		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:41	1
Potassium	0.88		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:41	1
Sodium	8.2		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	61		5.0	5.0	mg/L			04/14/21 18:46	1
Bicarbonate Alkalinity as CaCO3	61		5.0	5.0	mg/L			04/14/21 18:46	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 18:46	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/01/21 10:46	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWA-17**

**Lab Sample ID: 180-119474-3**

Date Collected: 04/01/21 13:25

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.8		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:45	1
Potassium	0.94		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:45	1
Sodium	8.6		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	51		5.0	5.0	mg/L			04/14/21 18:54	1
Bicarbonate Alkalinity as CaCO3	51		5.0	5.0	mg/L			04/14/21 18:54	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 18:54	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			04/01/21 13:25	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-1**  
 Date Collected: 04/01/21 15:52  
 Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119474-4**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.5		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:48	1
Potassium	0.86		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:48	1
Sodium	9.1		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	94		5.0	5.0	mg/L			04/14/21 19:03	1
Bicarbonate Alkalinity as CaCO3	94		5.0	5.0	mg/L			04/14/21 19:03	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:03	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.52				SU			04/01/21 15:52	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-2**  
 Date Collected: 04/01/21 16:16  
 Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119474-5**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.9		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:52	1
Potassium	1.3		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:52	1
Sodium	8.5		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	84		5.0	5.0	mg/L			04/14/21 19:31	1
Bicarbonate Alkalinity as CaCO3	84		5.0	5.0	mg/L			04/14/21 19:31	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:31	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.32				SU			04/01/21 16:16	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-119474-6**

Date Collected: 04/01/21 14:20

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	20		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:55	1
Potassium	1.2		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:55	1
Sodium	13		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	60		5.0	5.0	mg/L			04/14/21 19:49	1
Bicarbonate Alkalinity as CaCO3	60		5.0	5.0	mg/L			04/14/21 19:49	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:49	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/01/21 14:20	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-7**

**Lab Sample ID: 180-119474-7**

Date Collected: 04/01/21 14:35

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.7		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:58	1
Potassium	1.0		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:58	1
Sodium	8.1		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	79		5.0	5.0	mg/L			04/14/21 19:57	1
Bicarbonate Alkalinity as CaCO3	79		5.0	5.0	mg/L			04/14/21 19:57	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:57	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.40				SU			04/01/21 14:35	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-119474-9**

Date Collected: 04/01/21 12:08

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.5		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:12	1
Potassium	0.91		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:12	1
Sodium	10		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	81		5.0	5.0	mg/L			04/14/21 20:15	1
Bicarbonate Alkalinity as CaCO3	81		5.0	5.0	mg/L			04/14/21 20:15	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:15	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.28				SU			04/01/21 12:08	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-119474-10**

Date Collected: 04/01/21 16:23

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	9.2		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:16	1
Potassium	1.0		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:16	1
Sodium	7.9		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	93		5.0	5.0	mg/L			04/14/21 20:24	1
Bicarbonate Alkalinity as CaCO3	93		5.0	5.0	mg/L			04/14/21 20:24	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:24	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/01/21 16:23	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-11**  
 Date Collected: 04/01/21 13:39  
 Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119474-11**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.6		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:19	1
Potassium	0.74		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:19	1
Sodium	4.8		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	67		5.0	5.0	mg/L			04/14/21 20:33	1
Bicarbonate Alkalinity as CaCO3	67		5.0	5.0	mg/L			04/14/21 20:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:33	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.11				SU			04/01/21 13:39	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-119474-12**

Date Collected: 04/01/21 12:21

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.90		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:22	1
Potassium	0.32	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:22	1
Sodium	2.4		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	8.7		5.0	5.0	mg/L			04/14/21 20:42	1
Bicarbonate Alkalinity as CaCO3	8.7		5.0	5.0	mg/L			04/14/21 20:42	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:42	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.18				SU			04/01/21 12:21	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-14**

**Lab Sample ID: 180-119474-13**

Date Collected: 04/01/21 10:47

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.0		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:26	1
Potassium	0.41	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:26	1
Sodium	3.0		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	32		5.0	5.0	mg/L			04/14/21 20:51	1
Bicarbonate Alkalinity as CaCO3	32		5.0	5.0	mg/L			04/14/21 20:51	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:51	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.53				SU			04/01/21 10:47	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-119474-14**

Date Collected: 04/01/21 11:57

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.8		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:29	1
Potassium	0.70		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:29	1
Sodium	7.1		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	78		5.0	5.0	mg/L			04/14/21 21:48	1
Bicarbonate Alkalinity as CaCO3	78		5.0	5.0	mg/L			04/14/21 21:48	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:48	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			04/01/21 11:57	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: EB CELL 1**

**Lab Sample ID: 180-119474-15**

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:33	1
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:33	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 22:05	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:05	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:05	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: FB CELL 1**

**Lab Sample ID: 180-119474-16**

**Date Collected: 04/01/21 12:45**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:36	1
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:36	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 22:14	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:14	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:14	1





# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: DUP CELL 1**

**Lab Sample ID: 180-119474-17**

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.0		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:40	1
Potassium	0.41	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:40	1
Sodium	3.0		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	32		5.0	5.0	mg/L			04/14/21 22:22	1
Bicarbonate Alkalinity as CaCO3	32		5.0	5.0	mg/L			04/14/21 22:22	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:22	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-4**  
 Date Collected: 04/02/21 11:46  
 Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119484-1**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.5		0.50	0.083	mg/L		04/15/21 14:53	04/20/21 13:25	1
Potassium	1.4		0.50	0.16	mg/L		04/15/21 14:53	04/20/21 13:25	1
Sodium	11		0.50	0.35	mg/L		04/15/21 14:53	04/20/21 13:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	73		5.0	5.0	mg/L			04/15/21 02:12	1
Bicarbonate Alkalinity as CaCO3	73		5.0	5.0	mg/L			04/15/21 02:12	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 02:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/02/21 11:46	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-6**  
 Date Collected: 04/05/21 16:42  
 Date Received: 04/07/21 09:30

**Lab Sample ID: 180-119604-1**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.7		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 12:07	1
Magnesium	7.4		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 12:07	1
Sodium	9.2		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 12:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	74		5.0	5.0	mg/L			04/15/21 14:25	1
Bicarbonate Alkalinity as CaCO3	74		5.0	5.0	mg/L			04/15/21 14:25	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 14:25	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.36				SU			04/05/21 16:42	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-8A**

**Lab Sample ID: 180-119604-2**

Date Collected: 04/05/21 12:54

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2.4		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 18:31	1
Magnesium	26		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 18:31	1
Sodium	14		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 18:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	250		5.0	5.0	mg/L			04/15/21 14:43	1
Bicarbonate Alkalinity as CaCO3	250		5.0	5.0	mg/L			04/15/21 14:43	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 14:43	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/05/21 12:54	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-119604-3**

Date Collected: 04/05/21 12:50

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.4		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 18:34	1
Magnesium	7.8		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 18:34	1
Sodium	8.7		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 18:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	89		5.0	5.0	mg/L			04/15/21 14:52	1
Bicarbonate Alkalinity as CaCO3	89		5.0	5.0	mg/L			04/15/21 14:52	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 14:52	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			04/05/21 12:50	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-119604-4**

Date Collected: 04/05/21 11:50

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.0		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 18:38	1
Magnesium	6.1		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 18:38	1
Sodium	6.5		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 18:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	74		5.0	5.0	mg/L			04/15/21 15:01	1
Bicarbonate Alkalinity as CaCO3	74		5.0	5.0	mg/L			04/15/21 15:01	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 15:01	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.64				SU			04/05/21 11:50	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-3**  
 Date Collected: 04/06/21 11:46  
 Date Received: 04/09/21 09:30

**Lab Sample ID: 180-119761-1**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.88		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:12	1
Magnesium	4.0		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:12	1
Sodium	5.5		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	42		5.0	5.0	mg/L			04/15/21 17:02	1
Bicarbonate Alkalinity as CaCO3	42		5.0	5.0	mg/L			04/15/21 17:02	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/06/21 11:46	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-119761-2**

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.50		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:30	1
Magnesium	4.3		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:30	1
Sodium	5.8		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	45		5.0	5.0	mg/L			04/15/21 17:11	1
Bicarbonate Alkalinity as CaCO3	45		5.0	5.0	mg/L			04/15/21 17:11	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:11	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.95				SU			04/06/21 15:00	1





# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

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

**Lab Sample ID: MB 180-353251/1-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/15/21 14:53	04/20/21 12:21	1
Magnesium	<0.083		0.50	0.083	mg/L		04/15/21 14:53	04/20/21 12:21	1
Sodium	<0.35		0.50	0.35	mg/L		04/15/21 14:53	04/20/21 12:21	1

**Lab Sample ID: LCS 180-353251/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	26.9		mg/L		108	80 - 120
Magnesium	25.0	25.6		mg/L		102	80 - 120
Sodium	25.0	25.9		mg/L		104	80 - 120

**Lab Sample ID: 180-119479-C-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	0.98		25.0	28.5		mg/L		110	75 - 125
Magnesium	4.4		25.0	30.1		mg/L		103	75 - 125
Sodium	11		25.0	36.9		mg/L		102	75 - 125

**Lab Sample ID: 180-119479-C-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Potassium	0.98		25.0	28.1		mg/L		109	75 - 125	2	20
Magnesium	4.4		25.0	29.8		mg/L		102	75 - 125	1	20
Sodium	11		25.0	36.5		mg/L		101	75 - 125	1	20

**Lab Sample ID: MB 180-353424/2-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:24	1
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:24	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:24	1

**Lab Sample ID: LCS 180-353424/1-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	24.3		mg/L		97	80 - 120
Magnesium	25.0	24.0		mg/L		96	80 - 120
Sodium	25.0	25.0		mg/L		100	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

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

**Lab Sample ID: 180-119475-B-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit
Potassium	0.95		25.0	25.0		mg/L		96	75 - 125	
Magnesium	2.9		25.0	27.1		mg/L		97	75 - 125	
Sodium	8.9		25.0	33.6		mg/L		99	75 - 125	

**Lab Sample ID: 180-119475-B-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit		
Potassium	0.95		25.0	25.1		mg/L		96	75 - 125	0	20	
Magnesium	2.9		25.0	27.2		mg/L		98	75 - 125	1	20	
Sodium	8.9		25.0	33.7		mg/L		99	75 - 125	0	20	

**Lab Sample ID: MB 180-353428/1-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 08:49	1
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 08:49	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 08:49	1

**Lab Sample ID: LCS 180-353428/2-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	Limit
Potassium	25.0	24.2		mg/L		97	80 - 120	
Magnesium	25.0	24.7		mg/L		99	80 - 120	
Sodium	25.0	25.6		mg/L		102	80 - 120	

**Lab Sample ID: 180-119604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: GWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit
Potassium	1.7		25.0	26.4		mg/L		99	75 - 125	
Magnesium	7.4		25.0	32.3		mg/L		100	75 - 125	
Sodium	9.2		25.0	34.6		mg/L		102	75 - 125	

**Lab Sample ID: 180-119604-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: GWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit		
Potassium	1.7		25.0	25.6		mg/L		96	75 - 125	3	20	
Magnesium	7.4		25.0	31.5		mg/L		96	75 - 125	2	20	
Sodium	9.2		25.0	33.9		mg/L		99	75 - 125	2	20	

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

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

**Lab Sample ID: MB 180-353680/1-A**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 17:05	1
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 17:05	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 17:05	1

**Lab Sample ID: LCS 180-353680/2-A**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	25.1		mg/L		100	80 - 120
Magnesium	25.0	24.3		mg/L		97	80 - 120
Sodium	25.0	24.6		mg/L		98	80 - 120

**Lab Sample ID: 180-118908-C-4-B MS**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	5.1		25.0	29.2		mg/L		97	75 - 125
Magnesium	12		25.0	32.3		mg/L		82	75 - 125
Sodium	93	F1	25.0	83.0	F1	mg/L		-39	75 - 125

**Lab Sample ID: 180-118908-C-4-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Potassium	5.1		25.0	29.5		mg/L		97	75 - 125	1	20
Magnesium	12		25.0	33.0		mg/L		85	75 - 125	2	20
Sodium	93	F1	25.0	86.5	F1	mg/L		-25	75 - 125	4	20

**Lab Sample ID: MB 180-353880/1-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 17:43	1
Magnesium	<0.083		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 17:43	1
Sodium	<0.35		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 17:43	1

**Lab Sample ID: LCS 180-353880/2-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	26.4		mg/L		105	80 - 120
Magnesium	25.0	26.3		mg/L		105	80 - 120
Sodium	25.0	26.4		mg/L		106	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

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

**Lab Sample ID: 180-119761-1 MS**

**Matrix: Water**

**Analysis Batch: 354448**

**Client Sample ID: GWC-3**

**Prep Type: Total Recoverable**

**Prep Batch: 353880**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Potassium	0.88		25.0	27.3		mg/L		106	75 - 125	
Magnesium	4.0		25.0	30.2		mg/L		105	75 - 125	
Sodium	5.5		25.0	32.0		mg/L		106	75 - 125	

**Lab Sample ID: 180-119761-1 MSD**

**Matrix: Water**

**Analysis Batch: 354448**

**Client Sample ID: GWC-3**

**Prep Type: Total Recoverable**

**Prep Batch: 353880**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Potassium	0.88		25.0	27.6		mg/L		107	75 - 125		1	20
Magnesium	4.0		25.0	30.4		mg/L		105	75 - 125		1	20
Sodium	5.5		25.0	32.1		mg/L		107	75 - 125		0	20

## Method: SM2320 B - Alkalinity, Total

**Lab Sample ID: MB 180-353175/12**

**Matrix: Water**

**Analysis Batch: 353175**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 14:34	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 14:34	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 14:34	1

**Lab Sample ID: MB 180-353175/36**

**Matrix: Water**

**Analysis Batch: 353175**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1

**Lab Sample ID: MB 180-353175/60**

**Matrix: Water**

**Analysis Batch: 353175**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1

**Lab Sample ID: LCS 180-353175/11**

**Matrix: Water**

**Analysis Batch: 353175**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Total Alkalinity as CaCO3 to pH 4.5	250	238		mg/L		95	90 - 110	

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Method: SM2320 B - Alkalinity, Total (Continued)

**Lab Sample ID: LCS 180-353175/35**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	229		mg/L		92	90 - 110

**Lab Sample ID: LCS 180-353175/59**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	228		mg/L		91	90 - 110

**Lab Sample ID: LLCS 180-353175/34**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	20.5		mg/L		103	90 - 110

**Lab Sample ID: LLCS 180-353175/58**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	21.3		mg/L		107	90 - 110

**Lab Sample ID: 180-119471-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 353175**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	120		115		mg/L		3	20
Bicarbonate Alkalinity as CaCO3	120		115		mg/L		3	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: 180-119472-C-1 DU**  
**Matrix: Water**  
**Analysis Batch: 353175**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	190		190		mg/L		0.6	20
Bicarbonate Alkalinity as CaCO3	190		190		mg/L		0.6	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Method: SM2320 B - Alkalinity, Total (Continued)

**Lab Sample ID: 180-119474-5 DU**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	84		83.7		mg/L		0.7	20
Bicarbonate Alkalinity as CaCO3	84		83.7		mg/L		0.7	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: 180-119474-14 DU**  
**Matrix: Water**  
**Analysis Batch: 353175**

**Client Sample ID: GWC-18**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	78		60.2	F3	mg/L		26	20
Bicarbonate Alkalinity as CaCO3	78		60.2	F3	mg/L		26	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: MB 180-353358/49**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 12:54	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 12:54	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 12:54	1

**Lab Sample ID: MB 180-353358/73**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1

**Lab Sample ID: LCS 180-353358/48**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

**Lab Sample ID: LCS 180-353358/72**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Method: SM2320 B - Alkalinity, Total (Continued)

**Lab Sample ID: LLCS 180-353358/71**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	20.3		mg/L		102	90 - 110

**Lab Sample ID: 180-119508-B-10 DU**  
**Matrix: Water**  
**Analysis Batch: 353358**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	95		90.7		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	95		90.7		mg/L		4	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: 180-119604-1 DU**  
**Matrix: Water**  
**Analysis Batch: 353358**

**Client Sample ID: GWC-6**  
**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	74		71.8		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	74		71.8		mg/L		2	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Metals

### Prep Batch: 353251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119484-1	GWC-4	Total Recoverable	Water	3005A	
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total Recoverable	Water	3005A	
180-119474-2	GWA-16	Total Recoverable	Water	3005A	
180-119474-3	GWA-17	Total Recoverable	Water	3005A	
180-119474-4	GWC-1	Total Recoverable	Water	3005A	
180-119474-5	GWC-2	Total Recoverable	Water	3005A	
180-119474-6	GWC-5	Total Recoverable	Water	3005A	
180-119474-7	GWC-7	Total Recoverable	Water	3005A	
180-119474-9	GWC-9	Total Recoverable	Water	3005A	
180-119474-10	GWC-10	Total Recoverable	Water	3005A	
180-119474-11	GWC-11	Total Recoverable	Water	3005A	
180-119474-12	GWC-12	Total Recoverable	Water	3005A	
180-119474-13	GWC-14	Total Recoverable	Water	3005A	
180-119474-14	GWC-18	Total Recoverable	Water	3005A	
180-119474-15	EB CELL 1	Total Recoverable	Water	3005A	
180-119474-16	FB CELL 1	Total Recoverable	Water	3005A	
180-119474-17	DUP CELL 1	Total Recoverable	Water	3005A	
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119475-B-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119475-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total Recoverable	Water	3005A	
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119604-1 MS	GWC-6	Total Recoverable	Water	3005A	
180-119604-1 MSD	GWC-6	Total Recoverable	Water	3005A	

### Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-2	GWC-8A	Total Recoverable	Water	3005A	
180-119604-3	GWC-19	Total Recoverable	Water	3005A	
180-119604-4	GWC-20	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119761-1	GWC-3	Total Recoverable	Water	3005A	
180-119761-2	GWC-13	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Metals (Continued)

### Prep Batch: 353880 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-1 MS	GWC-3	Total Recoverable	Water	3005A	
180-119761-1 MSD	GWC-3	Total Recoverable	Water	3005A	

### Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119484-1	GWC-4	Total Recoverable	Water	EPA 6020B	353251
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353251
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353251
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353251

### Analysis Batch: 353952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total Recoverable	Water	EPA 6020B	353424
180-119474-2	GWA-16	Total Recoverable	Water	EPA 6020B	353424
180-119474-3	GWA-17	Total Recoverable	Water	EPA 6020B	353424
180-119474-4	GWC-1	Total Recoverable	Water	EPA 6020B	353424
180-119474-5	GWC-2	Total Recoverable	Water	EPA 6020B	353424
180-119474-6	GWC-5	Total Recoverable	Water	EPA 6020B	353424
180-119474-7	GWC-7	Total Recoverable	Water	EPA 6020B	353424
180-119474-9	GWC-9	Total Recoverable	Water	EPA 6020B	353424
180-119474-10	GWC-10	Total Recoverable	Water	EPA 6020B	353424
180-119474-11	GWC-11	Total Recoverable	Water	EPA 6020B	353424
180-119474-12	GWC-12	Total Recoverable	Water	EPA 6020B	353424
180-119474-13	GWC-14	Total Recoverable	Water	EPA 6020B	353424
180-119474-14	GWC-18	Total Recoverable	Water	EPA 6020B	353424
180-119474-15	EB CELL 1	Total Recoverable	Water	EPA 6020B	353424
180-119474-16	FB CELL 1	Total Recoverable	Water	EPA 6020B	353424
180-119474-17	DUP CELL 1	Total Recoverable	Water	EPA 6020B	353424
180-119604-1	GWC-6	Total Recoverable	Water	EPA 6020B	353428
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	EPA 6020B	353424
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353428
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353424
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353428
180-119475-B-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353424
180-119475-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353424
180-119604-1 MS	GWC-6	Total Recoverable	Water	EPA 6020B	353428
180-119604-1 MSD	GWC-6	Total Recoverable	Water	EPA 6020B	353428

### Analysis Batch: 354110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-2	GWC-8A	Total Recoverable	Water	EPA 6020B	353680
180-119604-3	GWC-19	Total Recoverable	Water	EPA 6020B	353680
180-119604-4	GWC-20	Total Recoverable	Water	EPA 6020B	353680
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353680

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## Metals

### Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119761-1	GWC-3	Total Recoverable	Water	EPA 6020B	353880
180-119761-2	GWC-13	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880
180-119761-1 MS	GWC-3	Total Recoverable	Water	EPA 6020B	353880
180-119761-1 MSD	GWC-3	Total Recoverable	Water	EPA 6020B	353880

## General Chemistry

### Analysis Batch: 353175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total/NA	Water	SM2320 B	
180-119474-2	GWA-16	Total/NA	Water	SM2320 B	
180-119474-3	GWA-17	Total/NA	Water	SM2320 B	
180-119474-4	GWC-1	Total/NA	Water	SM2320 B	
180-119474-5	GWC-2	Total/NA	Water	SM2320 B	
180-119474-6	GWC-5	Total/NA	Water	SM2320 B	
180-119474-7	GWC-7	Total/NA	Water	SM2320 B	
180-119474-9	GWC-9	Total/NA	Water	SM2320 B	
180-119474-10	GWC-10	Total/NA	Water	SM2320 B	
180-119474-11	GWC-11	Total/NA	Water	SM2320 B	
180-119474-12	GWC-12	Total/NA	Water	SM2320 B	
180-119474-13	GWC-14	Total/NA	Water	SM2320 B	
180-119474-14	GWC-18	Total/NA	Water	SM2320 B	
180-119474-15	EB CELL 1	Total/NA	Water	SM2320 B	
180-119474-16	FB CELL 1	Total/NA	Water	SM2320 B	
180-119474-17	DUP CELL 1	Total/NA	Water	SM2320 B	
180-119484-1	GWC-4	Total/NA	Water	SM2320 B	
MB 180-353175/12	Method Blank	Total/NA	Water	SM2320 B	
MB 180-353175/36	Method Blank	Total/NA	Water	SM2320 B	
MB 180-353175/60	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353175/11	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-353175/35	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-353175/59	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353175/34	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353175/58	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119471-B-1 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119472-C-1 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119474-5 DU	GWC-2	Total/NA	Water	SM2320 B	
180-119474-14 DU	GWC-18	Total/NA	Water	SM2320 B	

### Analysis Batch: 353358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total/NA	Water	SM2320 B	
180-119604-2	GWC-8A	Total/NA	Water	SM2320 B	
180-119604-3	GWC-19	Total/NA	Water	SM2320 B	
180-119604-4	GWC-20	Total/NA	Water	SM2320 B	
180-119761-1	GWC-3	Total/NA	Water	SM2320 B	
180-119761-2	GWC-13	Total/NA	Water	SM2320 B	
MB 180-353358/49	Method Blank	Total/NA	Water	SM2320 B	
MB 180-353358/73	Method Blank	Total/NA	Water	SM2320 B	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Major Ions

Job ID: 180-119474-1

## General Chemistry (Continued)

### Analysis Batch: 353358 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-353358/48	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-353358/72	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353358/71	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119508-B-10 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119604-1 DU	GWC-6	Total/NA	Water	SM2320 B	

## Field Service / Mobile Lab

### Analysis Batch: 352049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119484-1	GWC-4	Total/NA	Water	Field Sampling	

### Analysis Batch: 352062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total/NA	Water	Field Sampling	
180-119474-2	GWA-16	Total/NA	Water	Field Sampling	
180-119474-3	GWA-17	Total/NA	Water	Field Sampling	
180-119474-4	GWC-1	Total/NA	Water	Field Sampling	
180-119474-5	GWC-2	Total/NA	Water	Field Sampling	
180-119474-6	GWC-5	Total/NA	Water	Field Sampling	
180-119474-7	GWC-7	Total/NA	Water	Field Sampling	
180-119474-9	GWC-9	Total/NA	Water	Field Sampling	
180-119474-10	GWC-10	Total/NA	Water	Field Sampling	
180-119474-11	GWC-11	Total/NA	Water	Field Sampling	
180-119474-12	GWC-12	Total/NA	Water	Field Sampling	
180-119474-13	GWC-14	Total/NA	Water	Field Sampling	
180-119474-14	GWC-18	Total/NA	Water	Field Sampling	

### Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total/NA	Water	Field Sampling	
180-119604-2	GWC-8A	Total/NA	Water	Field Sampling	
180-119604-3	GWC-19	Total/NA	Water	Field Sampling	
180-119604-4	GWC-20	Total/NA	Water	Field Sampling	
180-119761-1	GWC-3	Total/NA	Water	Field Sampling	
180-119761-2	GWC-13	Total/NA	Water	Field Sampling	

Regulatory Program:  DW  NPDES  RCRA  Other:

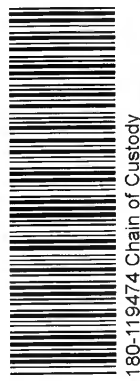
**Client Contact**  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
**Project Name: CCR - Cell 1 Major Ions**  
 Site: Georgia  
 P O # 18019884

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

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below: 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact: Dawn Prell**  
**Lab Contact: Shali Brown**  
 Date: 4.1.2021  
 Carrier: \_\_\_\_\_  
 COC No.: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sampler: \_\_\_\_\_  
 or Lab Use Only:  
 a) In Client: \_\_\_\_\_  
 b) Sampling: \_\_\_\_\_  
 c) /SDG No.: \_\_\_\_\_



Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes
						Y	N	Y	N			
GWA-15	4/1/2021	9:51	G	GW	4	X		X			X	pH= 5.31
GWA-16	4/1/2021	10:46	G	GW	4	X		X			X	pH= 6.44
GWA-17	4/1/2021	13:25	G	GW	4	X		X			X	pH= 6.14
GWC-1	4/1/2021	15:52	G	GW	4	X		X			X	pH= 6.52
GWC-2	4/1/2021	16:16	G	GW	4	X		X			X	pH= 7.32
GWC-5	4/1/2021	14:20	G	GW	4	X		X			X	pH= 6.01
GWC-7	4/1/2021	14:35	G	GW	4	X		X			X	pH= 6.40
GWC-8A	4/1/2021	13:13	G	GW	4	X		X			X	pH= 6.28
GWC-9	4/1/2021	12:08	G	GW	4	X		X			X	pH= 6.28
GWC-10	4/1/2021	16:23	G	GW	4	X		X			X	pH= 6.35
GWC-11	4/1/2021	13:39	G	GW	4	X		X			X	pH= 6.11
GWC-12	4/1/2021	12:21	G	GW	4	X		X			X	pH= 5.18
						1	4					

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

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

Non-Hazard  Flammable  Poison B  Unknown

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

**Special Instructions/QC Requirements & Comments:**

Custody Seal No.:	Company:	Date/Time:	Received by:	Cooler Temp. (°C):	Obs'd:	Corrd:	Therm ID No.:
5/6/2021	GAH Ass	4/22/21	Shali Brown			GAH	7699
	GAH Ass	4/22/21	Shali Brown			GAH	7699
	ETA	4/22/21	Shali Brown			GAH	7699

**Chain of Custody Record**

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

**TestAmerica Laboratories, Inc.**

**Regulatory Program:**  DW  NPDES  RCRA  Other:

**Project Manager:** Dawn Prell **Site Contact:** Chris Tidwell **Date:** 4.1.2021

**Tel/Fax:** 248-536-5445 **Lab Contact:** Veronica Bortot **Carrier:**

**Analysis Turnaround Time**

CALENDAR DAYS  WORKING DAYS

TAT if different from Below \_\_\_\_\_ 3-5 days \_\_\_\_\_

2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
						Y	N	Y	N			
GWC-14	4/1/2021	10:47	G	GW	4			X			X	pH= 5.53
GWC-18	4/1/2021	11:57	G	GW	4			X			X	pH= 6.37
EB_Cell 1	4/1/2021	13:39	G	Water	4			X			X	
FB_Cell 1	4/1/2021	12:45	G	Water	4			X			X	
DUP_Cell 1	4/1/2021	*****	G	GW	4			X			X	

**Client Contact:** Joju Abraham, Southern Company, 241 Ralph McGill Blvd SE B10185, Atlanta, GA 30308, JAbraham@southernco.com

**Project Name:** CCR - Cell 1 Major Ions

**Site:** Georgia

**P O #:** 18019884

**Project Manager:** Dawn Prell **Site Contact:** Chris Tidwell **Date:** 4.1.2021

**Tel/Fax:** 248-536-5445 **Lab Contact:** Veronica Bortot **Carrier:**

**Analysis Turnaround Time**

CALENDAR DAYS  WORKING DAYS

TAT if different from Below \_\_\_\_\_ 3-5 days \_\_\_\_\_

2 weeks  
 1 week  
 2 days  
 1 day

**Sample Identification**

Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix # of Cont.

4/1/2021 10:47 G GW 4

4/1/2021 11:57 G GW 4

4/1/2021 13:39 G Water 4

4/1/2021 12:45 G Water 4

4/1/2021 \*\*\*\*\* G GW 4

1 4

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

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

Non-Hazard  Flammable  Poison B  Unknown

**Special Instructions/QC Requirements & Comments:**

Custody Seals Intact:  Yes

Relinquished by: [Signature]

Relinquished by: [Signature]

Relinquished by: [Signature]

Custody Seal No.: [Blank]

Date/Time: 4/1/2021

Date/Time: 4/21/2021

Date/Time: 4/21/2021

Company: [Blank]

Company: [Blank]

Company: [Blank]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Date/Time: 4/21/2021

Date/Time: 4/21/2021

Date/Time: 4/21/2021

Company: [Blank]

Company: [Blank]

Company: [Blank]



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

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:


Client Contact: Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - Cell 1 Major Ions  
 Site: Georgia  
 P O # 18019884

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445  
 Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_ 3-5 days \_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Site Contact: Dawn Prell  
 Lab Contact: Shali Brown

Date: 4.2.2021  
 Carrier:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
GWC-4	4/2/2021	11:46	G	GW	4			X	X	pH= 6.35



180-119484 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  Poison B  Unknown  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company	Received in Laboratory:	Date/Time	Company	Therm ID No.:	Corr'd:	Cooler Temp. (°C):	Obs'd:
<i>[Signature]</i>	4/2/21	Golden Ass	<i>[Signature]</i>	4/2/21	ETA	<i>[Signature]</i>	4/3/21	ETA				
<i>[Signature]</i>	4/2/21	Golden Ass	<i>[Signature]</i>	4/2/21	ETA	<i>[Signature]</i>	4/3/21	ETA				

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

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

<b>Client Contact</b> Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com <b>Project Name: CCR - Plant Scherer Cell 1 Major Ions</b> Site: Georgia P O #		<b>Regulatory Program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		<b>Project Manager: Dawn Prell</b> Tel/Fax: 248-536-5445		<b>Site Contact: Dawn Prell</b> Lab Contact: Shaili Brown		<b>Date: 4.5.2021</b> Carrier:		COC No: 1 of 1 COCs	
<b>Analysis Turnaround Time</b> <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: 3-5 days		<b>Sample Type</b> (C=Comp, G=Grab)		<b>Sample Time</b>		<b>Matrix</b>		<b># of Cont.</b>		<b>Sample Specific Notes:</b>	
GWC-6		G		16:42		GW		4		pH= 6.36	
GWC-8A		G		12:54		GW		4		pH= 6.35	
GWC-19		G		12:50		GW		4		pH= 6.37	
GWC-20		G		11:50		GW		4		pH= 6.64	
<b>Sample Identification</b>		<b>Sample Date</b>		<b>Sample Time</b>		<b>Matrix</b>		<b># of Cont.</b>		<b>Sample Specific Notes:</b>	
GWC-6		4/5/2021		16:42		GW		4		pH= 6.36	
GWC-8A		4/5/2021		12:54		GW		4		pH= 6.35	
GWC-19		4/5/2021		12:50		GW		4		pH= 6.37	
GWC-20		4/5/2021		11:50		GW		4		pH= 6.64	
<b>Preservation Used: 1= Ice, 2= HCl, 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other</b>		<b>Possible Hazard Identification:</b> 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.		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>		1 4	
<b>Special Instructions/QC Requirements &amp; Comments:</b>		Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Corr'd:		Therm ID No.:		Date/Time:	
Relinquished by: <i>Jan 21</i>		Company: <i>Golder</i>		Date/Time: <i>4-21-2021 10:00</i>		Received by: <i>Blair Cook</i>		Company: <i>Blair Cook</i>		Date/Time: <i>4/20/21 8:07</i>	
Relinquished by: <i>Ben Day</i>		Company: <i>ETA</i>		Date/Time: <i>4/21</i>		Received by: <i>ETA</i>		Company: <i>ETA</i>		Date/Time: <i>4/21/2021 10:00</i>	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		Date/Time:	

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019




**TestAmerica Pittsburgh**

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

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

<b>Client Contact</b> Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com Project Name: CCR - Plant Scherer Cell 1 Major Ions Site: Georgia P O #		<b>Regulatory Program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		<b>Project Manager:</b> Dawn Prell Tell/Fax: 248-536-5445		<b>Site Contact:</b> Dawn Prell Lab Contact: Shali Brown		<b>Date:</b> 4.6.2021 <b>Carrier:</b>		<b>COC No.:</b> 1 of 1 COCs	
<b>Analysis Turnaround Time</b> <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below ___ 3-5 days ___ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input checked="" type="checkbox"/> 2 days <input type="checkbox"/> 1 day		<b>Sample Type</b> (C=Comp, G=Grab)		<b>Sample Time</b>		<b>Matrix</b>		<b># of Cont.</b>		<b>Sample Specific Notes:</b>	
GWC-3		G		11:46		GW		4		pH= 6.01	
GWC-13		G		15:00		GW		4		pH= 5.95	
 180-119761 Chain of Custody											
<b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other											
<b>Possible Hazard Identification:</b> 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.											
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months											
<b>Special Instructions/QC Requirements &amp; Comments:</b>											
<b>Custody Seal No.:</b>		<input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Cooler Temp. (°C):</b> Obs'd:		<b>Corr'd:</b>		<b>Therm ID No.:</b>		<b>Date/Time:</b>	
Relinquished by: <i>Jan 21 2021</i>		Company: <i>Golder</i>		Received by: <i>Blaine Cook</i>		Company: <i>Carrier Now</i>		Date/Time: <i>8:05</i>			
Relinquished by: <i>George</i>		Company: <i>EPA</i>		Received by: <i>Shali Brown</i>		Company: <i>EPA</i>		Date/Time: <i>4/21/2021</i>			
Relinquished by:		Company:		Received in Laboratory of:		Date/Time:		Date/Time:			





# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

**Login Number: 119474**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

**Login Number: 119484**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

**Login Number: 119604**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

**Login Number: 119761**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119475-1  
Client Project/Site: Plant Scherer Cell 1  
Revision: 1

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

Attn: Joju Abraham



Authorized for release by:  
5/14/2021 3:07:19 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	17
QC Sample Results . . . . .	36
QC Association Summary . . . . .	51
Chain of Custody . . . . .	58
Receipt Checklists . . . . .	62

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Job ID: 180-119475-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

### Job Narrative 180-119475-1

#### Comments

051421 Revised report to remove the following sample at client request because it was collected twice: GWC-8A (180-119475-8). April 1st collection results not needed. This report replaces the report previously issued on 042721.

#### Receipt

The samples were received on 4/3/2021 10:45 AM and 4/8/2021 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 11 coolers at receipt time were 2.9° C, 2.9° C, 2.9° C, 2.9° C, 3.6° C, 3.7° C, 3.7° C, 3.8° C, 3.8° C, 3.8° C and 3.8° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): EB CELL 1 (180-119475-15). The container labels list a sample collection time of 14:05, while the COC lists 13:39. The time on the COC was used.

#### GC Semi VOA

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

#### Metals

Methods 200.8, 6020A, 6020B: The low level continuing calibration verification (CCVL) associated with batch 180-353952 recovered above the upper control limit for lead. The samples associated with this CCVL were 10X the RL for the affected analytes; therefore, the data have been reported.

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-354323 recovered above the upper control limit for boron. The samples associated with this CCV less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWC-2 (180-119475-5), GWC-7 (180-119475-7), GWC-10 (180-119475-10), GWC-11 (180-119475-11), (LCS 180-353427/2-A) and (MB 180-353427/1-A).

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 180-353602 and analytical batch 180-353846 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### Field Service / Mobile Lab

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

#### General Chemistry

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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119475-1	GWA-15	Water	04/01/21 09:51	04/03/21 10:45	
180-119475-2	GWA-16	Water	04/01/21 10:46	04/03/21 10:45	
180-119475-3	GWA-17	Water	04/01/21 13:25	04/03/21 10:45	
180-119475-4	GWC-1	Water	04/01/21 15:52	04/03/21 10:45	
180-119475-5	GWC-2	Water	04/01/21 16:16	04/03/21 10:45	
180-119475-6	GWC-5	Water	04/01/21 14:20	04/03/21 10:45	
180-119475-7	GWC-7	Water	04/01/21 14:35	04/03/21 10:45	
180-119475-9	GWC-9	Water	04/01/21 12:08	04/03/21 10:45	
180-119475-10	GWC-10	Water	04/01/21 16:23	04/03/21 10:45	
180-119475-11	GWC-11	Water	04/01/21 13:39	04/03/21 10:45	
180-119475-12	GWC-12	Water	04/01/21 12:21	04/03/21 10:45	
180-119475-13	GWC-14	Water	04/01/21 10:47	04/03/21 10:45	
180-119475-14	GWC-18	Water	04/01/21 11:57	04/03/21 10:45	
180-119475-15	EB CELL 1	Water	04/01/21 13:39	04/03/21 10:45	
180-119475-16	FB CELL 1	Water	04/01/21 12:45	04/03/21 10:45	
180-119475-17	DUP CELL 1	Water	04/01/21 00:00	04/03/21 10:45	
180-119485-1	GWC-4	Water	04/02/21 11:46	04/03/21 10:45	
180-119760-1	GWC-3	Water	04/06/21 11:46	04/08/21 09:00	
180-119760-2	GWC-13	Water	04/06/21 15:00	04/08/21 09:00	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWA-15**

**Lab Sample ID: 180-119475-1**

**Date Collected: 04/01/21 09:51**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 16:56	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:50	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 10:59	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:00	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352456	04/08/21 18:48	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 09:51	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-119475-2**

**Date Collected: 04/01/21 10:46**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 20:22	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:53	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 11:01	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:01	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352456	04/08/21 18:48	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 10:46	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-17**

**Lab Sample ID: 180-119475-3**

**Date Collected: 04/01/21 13:25**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 20:54	EPS	TAL PIT
Instrument ID: CHIC2100A										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWA-17**

**Date Collected: 04/01/21 13:25**

**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:57	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 11:04	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:02	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352456	04/08/21 18:48	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 13:25	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-1**

**Date Collected: 04/01/21 15:52**

**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 21:41	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 19:57	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 15:05	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:06	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 15:52	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-2**

**Date Collected: 04/01/21 16:16**

**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 20:38	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:01	RSK	TAL PIT
Instrument ID: A										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-2**  
**Date Collected: 04/01/21 16:16**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:07	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 16:16	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-5**  
**Date Collected: 04/01/21 14:20**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-6**  
**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			352844	04/13/21 17:59	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:05	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 15:12	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:08	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 14:20	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-7**  
**Date Collected: 04/01/21 14:35**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-7**  
**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			352844	04/13/21 18:47	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:08	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:09	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-7**

**Date Collected: 04/01/21 14:35**

**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 14:35	FDS	TAL PIT

**Client Sample ID: GWC-9**

**Date Collected: 04/01/21 12:08**

**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-9**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 20:06	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:15	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 15:23	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:28	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 12:08	FDS	TAL PIT

**Client Sample ID: GWC-10**

**Date Collected: 04/01/21 16:23**

**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-10**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 19:50	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:19	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:32	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 16:23	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-119475-11**

**Date Collected: 04/01/21 13:39**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 19:03	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:23	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:33	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 13:39	FDS	TAL PIT

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-119475-12**

**Date Collected: 04/01/21 12:21**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 23:49	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:33	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:34	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 12:21	FDS	TAL PIT

**Client Sample ID: GWC-14**

**Lab Sample ID: 180-119475-13**

**Date Collected: 04/01/21 10:47**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 23:33	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:37	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:35	KHM	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-14**  
**Date Collected: 04/01/21 10:47**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-13**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 10:47	FDS	TAL PIT

**Client Sample ID: GWC-18**  
**Date Collected: 04/01/21 11:57**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-14**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 22:13	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:41	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:36	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 11:57	FDS	TAL PIT

**Client Sample ID: EB CELL 1**  
**Date Collected: 04/01/21 13:39**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-15**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 23:01	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:44	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:38	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT

**Client Sample ID: FB CELL 1**  
**Date Collected: 04/01/21 12:45**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119475-16**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 23:17	EPS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Client Sample ID: FB CELL 1

Date Collected: 04/01/21 12:45

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119475-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:48	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:39	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: DUP CELL 1

Date Collected: 04/01/21 00:00

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119475-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 21:57	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:51	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:40	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-4

Date Collected: 04/02/21 11:46

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119485-1

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			352646	04/10/21 17:58	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:29	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353926	04/20/21 13:29	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:08	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 11:46	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-3**

**Date Collected: 04/06/21 11:46**

**Date Received: 04/08/21 09:00**

**Lab Sample ID: 180-119760-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	352845	04/14/21 07:58	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 13:29	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 15:31	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 15:31	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354045	04/21/21 11:25	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/06/21 11:46	FDS	TAL PIT

**Client Sample ID: GWC-13**

**Date Collected: 04/06/21 15:00**

**Date Received: 04/08/21 09:00**

**Lab Sample ID: 180-119760-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	352845	04/14/21 08:14	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 13:47	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 15:34	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 15:34	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354045	04/21/21 11:26	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/06/21 15:00	FDS	TAL PIT

**Laboratory References:**

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

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

DLL = Debbie Lowe

MM1 = Mary Beth Miller

TJO = Tyler Oliver

Batch Type: Analysis

EPS = Evan Scheuer

FDS = Sampler Field

GRB = Gabriel Berghe

KHM = Kyle Mucroski

KMM = Kendric Moore

RSK = Robert Kurtz

SAT = Stephen Tallam

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWA-15**

**Lab Sample ID: 180-119475-1**

Date Collected: 04/01/21 09:51

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>7.0</b>		1.0	0.71	mg/L			04/13/21 16:56	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 16:56	1
<b>Sulfate</b>	<b>2.7</b>		1.0	0.76	mg/L			04/13/21 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 13:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 13:50	1
<b>Barium</b>	<b>0.0092</b>	<b>J</b>	0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 13:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 13:50	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 10:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 13:50	1
<b>Calcium</b>	<b>4.0</b>		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 13:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 13:50	1
<b>Cobalt</b>	<b>0.0024</b>	<b>J</b>	0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 13:50	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 13:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 13:50	1
<b>Nickel</b>	<b>0.00049</b>	<b>J</b>	0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 13:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 13:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 13:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 13:50	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 13:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 13:50	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		04/19/21 08:45	04/20/21 11:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>55</b>		10	10	mg/L			04/08/21 18:48	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.31</b>				SU			04/01/21 09:51	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-119475-2**

Date Collected: 04/01/21 10:46

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		1.0	0.71	mg/L			04/13/21 20:22	1
Fluoride	0.035	J	0.10	0.026	mg/L			04/13/21 20:22	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 13:53	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 13:53	1
Barium	0.024		0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 13:53	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 13:53	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 11:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 13:53	1
Calcium	12		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 13:53	1
Chromium	0.0053		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 13:53	1
Cobalt	0.00014	J	0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 13:53	1
Copper	0.00074	J	0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 13:53	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 13:53	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 13:53	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 13:53	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 13:53	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 13:53	1
Vanadium	0.0078		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 13:53	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:01	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			04/08/21 18:48	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/01/21 10:46	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWA-17**

**Lab Sample ID: 180-119475-3**

Date Collected: 04/01/21 13:25

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.5		1.0	0.71	mg/L			04/13/21 20:54	1
Fluoride	0.042	J	0.10	0.026	mg/L			04/13/21 20:54	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 13:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 13:57	1
Barium	0.029		0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 13:57	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 13:57	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 11:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 13:57	1
Calcium	7.8		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 13:57	1
Chromium	0.0082		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 13:57	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 13:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 13:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 13:57	1
Nickel	0.00040	J	0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 13:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 13:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 13:57	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 13:57	1
Vanadium	0.0050		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 13:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:02	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	68		10	10	mg/L			04/08/21 18:48	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			04/01/21 13:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-1**

**Lab Sample ID: 180-119475-4**

Date Collected: 04/01/21 15:52

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.2		1.0	0.71	mg/L			04/13/21 21:41	1
Fluoride	0.081	J	0.10	0.026	mg/L			04/13/21 21:41	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 19:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 19:57	1
Barium	0.047		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 19:57	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 19:57	1
Boron	0.053	J	0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 19:57	1
Calcium	18		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 19:57	1
Chromium	0.014		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 19:57	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 19:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 19:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 19:57	1
Nickel	0.00073	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 19:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 19:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 19:57	1
Thallium	0.00027	J B	0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 19:57	1
Vanadium	0.019		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 19:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:06	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			04/08/21 18:52	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.52				SU			04/01/21 15:52	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-2**

**Lab Sample ID: 180-119475-5**

Date Collected: 04/01/21 16:16

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5		1.0	0.71	mg/L			04/13/21 20:38	1
Fluoride	0.043	J	0.10	0.026	mg/L			04/13/21 20:38	1
Sulfate	1.1		1.0	0.76	mg/L			04/13/21 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0013	J	0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:01	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:01	1
Barium	0.044		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:01	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:01	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:01	1
Cadmium	0.00038	J	0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:01	1
Calcium	17		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:01	1
Chromium	0.0057		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:01	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:01	1
Copper	0.00069	J	0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:01	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:01	1
Nickel	0.0022		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:01	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:01	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:01	1
Vanadium	0.014		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:01	1
Zinc	0.010		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:07	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			04/08/21 18:52	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.32				SU			04/01/21 16:16	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-119475-6**

Date Collected: 04/01/21 14:20

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18		1.0	0.71	mg/L			04/13/21 17:59	1
Fluoride	0.029	J	0.10	0.026	mg/L			04/13/21 17:59	1
Sulfate	100		1.0	0.76	mg/L			04/13/21 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:05	1
Barium	0.040		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:05	1
Boron	0.23		0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:05	1
Calcium	40		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:05	1
Chromium	0.0058		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:05	1
Nickel	0.00042	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:05	1
Selenium	0.0065		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:05	1
Vanadium	0.0027		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:08	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260		10	10	mg/L			04/08/21 18:52	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/01/21 14:20	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-7**

**Lab Sample ID: 180-119475-7**

Date Collected: 04/01/21 14:35

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.9		1.0	0.71	mg/L			04/13/21 18:47	1
Fluoride	0.072	J	0.10	0.026	mg/L			04/13/21 18:47	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:08	1
Barium	0.036		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:08	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:08	1
Calcium	15		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:08	1
Chromium	0.0091		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:08	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:08	1
Copper	0.00094	J	0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:08	1
Nickel	0.00036	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:08	1
Vanadium	0.014		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:09	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/08/21 18:52	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.40				SU			04/01/21 14:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-119475-9**

Date Collected: 04/01/21 12:08

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.3		1.0	0.71	mg/L			04/13/21 20:06	1
Fluoride	0.072	J	0.10	0.026	mg/L			04/13/21 20:06	1
Sulfate	9.7		1.0	0.76	mg/L			04/13/21 20:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:15	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:15	1
Barium	0.018		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:15	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:15	1
Boron	0.059	J	0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:15	1
Calcium	16		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:15	1
Chromium	0.0018	J	0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:15	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:15	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:15	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:15	1
Nickel	0.00058	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:15	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:15	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:15	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:15	1
Vanadium	0.0095		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:15	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:28	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			04/08/21 18:52	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.28				SU			04/01/21 12:08	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-119475-10**

Date Collected: 04/01/21 16:23

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.4		1.0	0.71	mg/L			04/13/21 19:50	1
Fluoride	0.086	J	0.10	0.026	mg/L			04/13/21 19:50	1
Sulfate	2.7		1.0	0.76	mg/L			04/13/21 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:19	1
Barium	0.034		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:19	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:19	1
Calcium	19		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:19	1
Chromium	0.020		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:19	1
Nickel	0.0012		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:19	1
Vanadium	0.013		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			04/08/21 18:52	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/01/21 16:23	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-119475-11**

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.9		1.0	0.71	mg/L			04/13/21 19:03	1
Fluoride	0.042	J	0.10	0.026	mg/L			04/13/21 19:03	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:23	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:23	1
Barium	0.018		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:23	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:23	1
Calcium	13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:23	1
Chromium	0.0078		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:23	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:23	1
Nickel	0.00065	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:23	1
Vanadium	0.011		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:23	1
Zinc	0.0034	J	0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:33	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	90		10	10	mg/L			04/08/21 18:52	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.11				SU			04/01/21 13:39	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-119475-12**

Date Collected: 04/01/21 12:21

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.0</b>		1.0	0.71	mg/L			04/13/21 23:49	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:49	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:33	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:33	1
<b>Barium</b>	<b>0.018</b>		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:33	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:33	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:33	1
<b>Calcium</b>	<b>1.2</b>		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:33	1
<b>Chromium</b>	<b>0.0015</b>	<b>J</b>	0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:33	1
<b>Cobalt</b>	<b>0.00028</b>	<b>J</b>	0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:33	1
<b>Nickel</b>	<b>0.00065</b>	<b>J</b>	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:33	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:33	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:33	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:33	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:33	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:34	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>17</b>		10	10	mg/L			04/08/21 18:52	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.18</b>				SU			04/01/21 12:21	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-14**

**Lab Sample ID: 180-119475-13**

Date Collected: 04/01/21 10:47

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.8</b>		1.0	0.71	mg/L			04/13/21 23:33	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:33	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:37	1
<b>Barium</b>	<b>0.0095</b>	<b>J</b>	0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:37	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:37	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:37	1
<b>Calcium</b>	<b>6.2</b>		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:37	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:37	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:37	1
<b>Vanadium</b>	<b>0.0013</b>		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:37	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:37	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		04/19/21 08:49	04/20/21 11:35	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>43</b>		10	10	mg/L			04/08/21 18:52	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.53</b>				SU			04/01/21 10:47	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-119475-14**

Date Collected: 04/01/21 11:57

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.8		1.0	0.71	mg/L			04/13/21 22:13	1
Fluoride	0.041	J	0.10	0.026	mg/L			04/13/21 22:13	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:41	1
Barium	0.035		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:41	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:41	1
Calcium	11		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:41	1
Chromium	0.014		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:41	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:41	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:41	1
Vanadium	0.0081		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	62		10	10	mg/L			04/08/21 18:52	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			04/01/21 11:57	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: EB CELL 1**

**Lab Sample ID: 180-119475-15**

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 23:01	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:01	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:44	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:44	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:44	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:44	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:44	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:44	1
<b>Vanadium</b>	<b>0.0012</b>		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:44	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:52	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: FB CELL 1**

**Lab Sample ID: 180-119475-16**

Date Collected: 04/01/21 12:45

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 23:17	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:17	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:48	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:48	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:48	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:48	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:48	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:48	1
<b>Vanadium</b>	<b>0.0012</b>		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:52	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: DUP CELL 1**

**Lab Sample ID: 180-119475-17**

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.8		1.0	0.71	mg/L			04/13/21 21:57	1
Fluoride	0.092	J	0.10	0.026	mg/L			04/13/21 21:57	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:51	1
Barium	0.0099	J	0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:51	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:51	1
Calcium	6.2		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:51	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:51	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:51	1
Vanadium	0.0014		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	45		10	10	mg/L			04/08/21 18:52	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-4**

**Lab Sample ID: 180-119485-1**

Date Collected: 04/02/21 11:46

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/10/21 17:58	1
Fluoride	0.097	J	0.10	0.026	mg/L			04/10/21 17:58	1
Sulfate	4.6		1.0	0.76	mg/L			04/10/21 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:53	04/20/21 13:29	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:29	1
Barium	0.047		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 13:29	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 13:29	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 13:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 13:29	1
Calcium	15		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:29	1
Chromium	0.0052		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:29	1
Cobalt	0.00026	J	0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 13:29	1
Copper	0.0012	J	0.0020	0.00063	mg/L		04/15/21 14:53	04/20/21 13:29	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 13:29	1
Nickel	0.0012		0.0010	0.00034	mg/L		04/15/21 14:53	04/20/21 13:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 13:29	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:53	04/20/21 13:29	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 13:29	1
Vanadium	0.0081		0.0010	0.00099	mg/L		04/15/21 14:53	04/20/21 13:29	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:53	04/20/21 13:29	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		04/19/21 08:56	04/20/21 12:08	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			04/09/21 17:05	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/02/21 11:46	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-3**

**Lab Sample ID: 180-119760-1**

Date Collected: 04/06/21 11:46

Matrix: Water

Date Received: 04/08/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.9		1.0	0.71	mg/L			04/14/21 07:58	1
Fluoride	0.045	J	0.10	0.026	mg/L			04/15/21 13:29	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 07:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 15:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 15:31	1
Barium	0.014		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 15:31	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 15:31	1
Boron	0.078	J	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 15:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 15:31	1
Calcium	7.4		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 15:31	1
Chromium	0.0074		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 15:31	1
Cobalt	0.00031	J	0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 15:31	1
Copper	0.00088	J	0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 15:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 15:31	1
Nickel	0.0018		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 15:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 15:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 15:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 15:31	1
Vanadium	0.0075		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 15:31	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:25	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	81		10	10	mg/L			04/13/21 19:18	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/06/21 11:46	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-119760-2**

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/08/21 09:00

## 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			04/14/21 08:14	1
Fluoride	0.026	J	0.10	0.026	mg/L			04/15/21 13:47	1
Sulfate	0.90	J	1.0	0.76	mg/L			04/14/21 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 15:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 15:34	1
Barium	0.038		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 15:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 15:34	1
Boron	0.056	J	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 15:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 15:34	1
Calcium	7.4		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 15:34	1
Chromium	0.0061		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 15:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 15:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 15:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 15:34	1
Nickel	0.00053	J	0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 15:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 15:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 15:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 15:34	1
Vanadium	0.0028		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 15:34	1
Zinc	0.0040	J	0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:26	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	55		10	10	mg/L			04/13/21 19:18	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.95				SU			04/06/21 15:00	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: MB 180-352646/6**  
**Matrix: Water**  
**Analysis Batch: 352646**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/21 08:38	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 08:38	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 08:38	1

**Lab Sample ID: LCS 180-352646/5**  
**Matrix: Water**  
**Analysis Batch: 352646**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.1		mg/L		92	90 - 110
Fluoride	2.50	2.39		mg/L		96	90 - 110
Sulfate	50.0	45.2		mg/L		90	90 - 110

**Lab Sample ID: 180-119375-A-6 MS**  
**Matrix: Water**  
**Analysis Batch: 352646**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	36		50.0	83.4		mg/L		95	90 - 110
Fluoride	0.081	J	2.50	2.52		mg/L		98	90 - 110
Sulfate	18		50.0	66.4		mg/L		96	90 - 110

**Lab Sample ID: 180-119375-A-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 352646**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	36		50.0	85.5		mg/L		99	90 - 110	3	20
Fluoride	0.081	J	2.50	2.65		mg/L		103	90 - 110	5	20
Sulfate	18		50.0	69.0		mg/L		102	90 - 110	4	20

**Lab Sample ID: MB 180-352844/6**  
**Matrix: Water**  
**Analysis Batch: 352844**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 08:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 08:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 08:36	1

**Lab Sample ID: LCS 180-352844/5**  
**Matrix: Water**  
**Analysis Batch: 352844**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.0		mg/L		96	90 - 110
Fluoride	2.50	2.54		mg/L		101	90 - 110
Sulfate	50.0	48.8		mg/L		98	90 - 110

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: 180-119475-1 MS**  
**Matrix: Water**  
**Analysis Batch: 352844**

**Client Sample ID: GWA-15**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.0		50.0	57.6		mg/L		101	90 - 110
Fluoride	<0.026		2.50	2.54		mg/L		102	90 - 110
Sulfate	2.7		50.0	53.9		mg/L		102	90 - 110

**Lab Sample ID: 180-119475-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 352844**

**Client Sample ID: GWA-15**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.0		50.0	57.1		mg/L		100	90 - 110	1	20
Fluoride	<0.026		2.50	2.61		mg/L		104	90 - 110	3	20
Sulfate	2.7		50.0	53.1		mg/L		101	90 - 110	2	20

**Lab Sample ID: 180-119475-3 MS**  
**Matrix: Water**  
**Analysis Batch: 352844**

**Client Sample ID: GWA-17**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.5		50.0	51.6		mg/L		100	90 - 110
Fluoride	0.042	J	2.50	2.60		mg/L		102	90 - 110
Sulfate	<0.76		50.0	50.4		mg/L		101	90 - 110

**Lab Sample ID: 180-119475-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 352844**

**Client Sample ID: GWA-17**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.5		50.0	47.7		mg/L		93	90 - 110	8	20
Fluoride	0.042	J	2.50	2.47		mg/L		97	90 - 110	5	20
Sulfate	<0.76		50.0	46.4		mg/L		93	90 - 110	8	20

**Lab Sample ID: MB 180-352845/29**  
**Matrix: Water**  
**Analysis Batch: 352845**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 22:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 22:36	1

**Lab Sample ID: LCS 180-352845/28**  
**Matrix: Water**  
**Analysis Batch: 352845**

**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	48.9		mg/L		98	90 - 110
Sulfate	50.0	47.8		mg/L		96	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: 180-119577-D-1 MS**  
**Matrix: Water**  
**Analysis Batch: 352845**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.6		50.0	51.7		mg/L		100	90 - 110
Sulfate	8.6		50.0	57.3		mg/L		97	90 - 110

**Lab Sample ID: 180-119577-D-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 352845**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.6		50.0	51.5		mg/L		100	90 - 110	0	20
Sulfate	8.6		50.0	57.8		mg/L		98	90 - 110	1	20

**Lab Sample ID: MB 180-353150/6**  
**Matrix: Water**  
**Analysis Batch: 353150**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 09:55	1

**Lab Sample ID: LCS 180-353150/5**  
**Matrix: Water**  
**Analysis Batch: 353150**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.53		mg/L		101	90 - 110

**Lab Sample ID: 180-119473-C-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353150**

**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
Fluoride	0.078	J F1	2.50	2.28	F1	mg/L		88	90 - 110

**Lab Sample ID: 180-119473-C-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353150**

**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
Fluoride	0.078	J F1	2.50	2.36		mg/L		91	90 - 110	3	20

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

**Lab Sample ID: MB 180-353251/1-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:53	04/20/21 12:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 12:21	1
Barium	<0.0016		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 12:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 12:21	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: MB 180-353251/1-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 12:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 12:21	1
Calcium	<0.13		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 12:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 12:21	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:53	04/20/21 12:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 12:21	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/15/21 14:53	04/20/21 12:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:53	04/20/21 12:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/15/21 14:53	04/20/21 12:21	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:53	04/20/21 12:21	1

**Lab Sample ID: LCS 180-353251/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.241		mg/L		96	80 - 120
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Boron	1.25	1.14		mg/L		91	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Calcium	25.0	28.3		mg/L		113	80 - 120
Chromium	0.500	0.504		mg/L		101	80 - 120
Cobalt	0.500	0.530		mg/L		106	80 - 120
Copper	0.500	0.521		mg/L		104	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.520		mg/L		104	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	0.250	0.254		mg/L		102	80 - 120
Thallium	1.00	1.09		mg/L		109	80 - 120
Vanadium	0.500	0.510		mg/L		102	80 - 120
Zinc	0.250	0.263		mg/L		105	80 - 120

**Lab Sample ID: 180-119479-C-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	1.06		mg/L		106	75 - 125
Barium	0.12		1.00	1.13		mg/L		100	75 - 125
Beryllium	<0.00018		0.500	0.527		mg/L		105	75 - 125
Boron	<0.039		1.25	1.15		mg/L		92	75 - 125
Cadmium	<0.00022		0.500	0.501		mg/L		100	75 - 125
Calcium	11		25.0	39.2		mg/L		114	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: 180-119479-C-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125
Cobalt	<0.00013		0.500	0.529		mg/L		106	75 - 125
Copper	<0.00063		0.500	0.523		mg/L		105	75 - 125
Lead	<0.00013		0.500	0.509		mg/L		102	75 - 125
Nickel	<0.00034		0.500	0.517		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00023	J	1.00	1.09		mg/L		109	75 - 125
Vanadium	0.0029		0.500	0.509		mg/L		101	75 - 125

**Lab Sample ID: 180-119479-C-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.240		mg/L		96	75 - 125	0	20
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125	3	20
Barium	0.12		1.00	1.13		mg/L		101	75 - 125	1	20
Beryllium	<0.00018		0.500	0.519		mg/L		104	75 - 125	2	20
Boron	<0.039		1.25	1.18		mg/L		95	75 - 125	3	20
Cadmium	<0.00022		0.500	0.501		mg/L		100	75 - 125	0	20
Calcium	11		25.0	39.1		mg/L		114	75 - 125	0	20
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125	0	20
Cobalt	<0.00013		0.500	0.518		mg/L		104	75 - 125	2	20
Copper	<0.00063		0.500	0.512		mg/L		102	75 - 125	2	20
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125	0	20
Nickel	<0.00034		0.500	0.509		mg/L		102	75 - 125	1	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125	2	20
Thallium	0.00023	J	1.00	1.08		mg/L		108	75 - 125	1	20
Vanadium	0.0029		0.500	0.508		mg/L		101	75 - 125	0	20

**Lab Sample ID: MB 180-353424/2-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 12:24	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 12:24	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 12:24	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 12:24	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 12:24	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 12:24	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 12:24	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 12:24	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 12:24	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 12:24	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 12:24	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 12:24	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: MB 180-353424/2-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 12:24	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 12:24	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 12:24	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 12:24	1

**Lab Sample ID: MB 180-353424/2-A**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 10:53	1

**Lab Sample ID: LCS 180-353424/1-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.229		mg/L		92	80 - 120
Arsenic	1.00	0.966		mg/L		97	80 - 120
Barium	1.00	0.975		mg/L		97	80 - 120
Beryllium	0.500	0.495		mg/L		99	80 - 120
Cadmium	0.500	0.480		mg/L		96	80 - 120
Calcium	25.0	29.2		mg/L		117	80 - 120
Chromium	0.500	0.487		mg/L		97	80 - 120
Cobalt	0.500	0.474		mg/L		95	80 - 120
Copper	0.500	0.481		mg/L		96	80 - 120
Lead	0.500	0.480		mg/L		96	80 - 120
Nickel	0.500	0.467		mg/L		93	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.250	0.234		mg/L		94	80 - 120
Thallium	1.00	1.01		mg/L		101	80 - 120
Vanadium	0.500	0.488		mg/L		98	80 - 120
Zinc	0.250	0.233		mg/L		93	80 - 120

**Lab Sample ID: LCS 180-353424/1-A**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.27		mg/L		102	80 - 120

**Lab Sample ID: 180-119475-3 MS**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: GWA-17**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.229		mg/L		92	75 - 125
Arsenic	<0.00031		1.00	0.957		mg/L		96	75 - 125
Barium	0.029		1.00	1.01		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.511		mg/L		102	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: 180-119475-3 MS**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: GWA-17**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	<0.00022		0.500	0.482		mg/L		96	75 - 125
Calcium	7.8		25.0	36.6		mg/L		115	75 - 125
Chromium	0.0082		0.500	0.488		mg/L		96	75 - 125
Cobalt	<0.00013		0.500	0.472		mg/L		94	75 - 125
Copper	<0.00063		0.500	0.482		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.488		mg/L		98	75 - 125
Nickel	0.00040	J	0.500	0.466		mg/L		93	75 - 125
Selenium	<0.0015		1.00	0.993		mg/L		99	75 - 125
Silver	<0.00018		0.250	0.236		mg/L		94	75 - 125
Thallium	<0.00015		1.00	1.02		mg/L		102	75 - 125
Vanadium	0.0050		0.500	0.488		mg/L		97	75 - 125
Zinc	<0.0032		0.250	0.233		mg/L		93	75 - 125

**Lab Sample ID: 180-119475-3 MS**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: GWA-17**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	<0.039		1.25	1.26		mg/L		101	75 - 125

**Lab Sample ID: 180-119475-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: GWA-17**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.231		mg/L		92	75 - 125	1	20
Arsenic	<0.00031		1.00	0.973		mg/L		97	75 - 125	2	20
Barium	0.029		1.00	1.02		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.506		mg/L		101	75 - 125	1	20
Cadmium	<0.00022		0.500	0.486		mg/L		97	75 - 125	1	20
Calcium	7.8		25.0	37.0		mg/L		117	75 - 125	1	20
Chromium	0.0082		0.500	0.490		mg/L		96	75 - 125	0	20
Cobalt	<0.00013		0.500	0.481		mg/L		96	75 - 125	2	20
Copper	<0.00063		0.500	0.480		mg/L		96	75 - 125	0	20
Lead	<0.00013		0.500	0.494		mg/L		99	75 - 125	1	20
Nickel	0.00040	J	0.500	0.476		mg/L		95	75 - 125	2	20
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125	1	20
Silver	<0.00018		0.250	0.239		mg/L		95	75 - 125	1	20
Thallium	<0.00015		1.00	1.01		mg/L		101	75 - 125	1	20
Vanadium	0.0050		0.500	0.489		mg/L		97	75 - 125	0	20
Zinc	<0.0032		0.250	0.234		mg/L		94	75 - 125	1	20

**Lab Sample ID: 180-119475-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: GWA-17**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353424**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	2	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: MB 180-353427/1-A**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 19:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 19:36	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 19:36	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 19:36	1
Boron	0.0787	J ^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 19:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 19:36	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 19:36	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 19:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 19:36	1
Lead	0.000177	J	0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 19:36	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 19:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 19:36	1
Thallium	0.000472	J	0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 19:36	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 19:36	1

**Lab Sample ID: MB 180-353427/1-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:48	1

**Lab Sample ID: LCS 180-353427/2-A**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.507		mg/L		101	80 - 120
Boron	1.25	1.24	^+	mg/L		99	80 - 120
Cadmium	0.500	0.524		mg/L		105	80 - 120
Calcium	25.0	27.7		mg/L		111	80 - 120
Chromium	0.500	0.518		mg/L		104	80 - 120
Cobalt	0.500	0.509		mg/L		102	80 - 120
Copper	0.500	0.508		mg/L		102	80 - 120
Lead	0.500	0.523		mg/L		105	80 - 120
Nickel	0.500	0.501		mg/L		100	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.250	0.261		mg/L		104	80 - 120
Thallium	1.00	1.12		mg/L		112	80 - 120
Vanadium	0.500	0.524		mg/L		105	80 - 120
Zinc	0.250	0.262		mg/L		105	80 - 120

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: LCS 180-353427/2-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.27		mg/L		102	80 - 120

**Lab Sample ID: 180-119480-C-9-B MS**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.249		mg/L		100	75 - 125
Arsenic	0.0012		1.00	1.02		mg/L		102	75 - 125
Barium	0.028		1.00	1.06		mg/L		104	75 - 125
Beryllium	0.00045	J	0.500	0.503		mg/L		101	75 - 125
Boron	1.4	B	1.25	2.60		mg/L		97	75 - 125
Cadmium	0.00027	J	0.500	0.521		mg/L		104	75 - 125
Calcium	17		25.0	44.2		mg/L		110	75 - 125
Chromium	0.034		0.500	0.548		mg/L		103	75 - 125
Cobalt	0.26		0.500	0.763		mg/L		100	75 - 125
Copper	0.062		0.500	0.567		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125
Nickel	0.057		0.500	0.553		mg/L		99	75 - 125
Selenium	<0.0015		1.00	1.06		mg/L		106	75 - 125
Silver	<0.00018		0.250	0.261		mg/L		105	75 - 125
Thallium	<0.00015		1.00	1.09		mg/L		109	75 - 125
Vanadium	0.0013		0.500	0.522		mg/L		104	75 - 125
Zinc	0.090		0.250	0.353		mg/L		105	75 - 125

**Lab Sample ID: 180-119480-C-9-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.248		mg/L		99	75 - 125	1	20
Arsenic	0.0012		1.00	0.993		mg/L		99	75 - 125	3	20
Barium	0.028		1.00	1.05		mg/L		103	75 - 125	1	20
Beryllium	0.00045	J	0.500	0.499		mg/L		100	75 - 125	1	20
Boron	1.4	B	1.25	2.59		mg/L		97	75 - 125	0	20
Cadmium	0.00027	J	0.500	0.512		mg/L		102	75 - 125	2	20
Calcium	17		25.0	43.7		mg/L		108	75 - 125	1	20
Chromium	0.034		0.500	0.541		mg/L		101	75 - 125	1	20
Cobalt	0.26		0.500	0.748		mg/L		97	75 - 125	2	20
Copper	0.062		0.500	0.553		mg/L		98	75 - 125	3	20
Lead	<0.00013		0.500	0.506		mg/L		101	75 - 125	1	20
Nickel	0.057		0.500	0.544		mg/L		97	75 - 125	2	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	2	20
Silver	<0.00018		0.250	0.258		mg/L		103	75 - 125	1	20
Thallium	<0.00015		1.00	1.09		mg/L		109	75 - 125	0	20
Vanadium	0.0013		0.500	0.516		mg/L		103	75 - 125	1	20
Zinc	0.090		0.250	0.349		mg/L		104	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: MB 180-353689/1-A**  
**Matrix: Water**  
**Analysis Batch: 353926**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 19:17	1

**Lab Sample ID: LCS 180-353689/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.243		mg/L		97	80 - 120
Arsenic	1.00	1.08		mg/L		108	80 - 120
Barium	1.00	1.05		mg/L		105	80 - 120
Beryllium	0.500	0.535		mg/L		107	80 - 120
Boron	1.25	1.16		mg/L		92	80 - 120
Cadmium	0.500	0.517		mg/L		103	80 - 120
Calcium	25.0	29.4		mg/L		118	80 - 120
Chromium	0.500	0.524		mg/L		105	80 - 120
Cobalt	0.500	0.546		mg/L		109	80 - 120
Copper	0.500	0.538		mg/L		108	80 - 120
Lead	0.500	0.529		mg/L		106	80 - 120
Nickel	0.500	0.538		mg/L		108	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	0.250	0.258		mg/L		103	80 - 120
Thallium	1.00	1.14		mg/L		114	80 - 120
Vanadium	0.500	0.531		mg/L		106	80 - 120
Zinc	0.250	0.268		mg/L		107	80 - 120

**Lab Sample ID: 180-118908-D-10-E MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	0.00079	J	1.00	1.06		mg/L		106	75 - 125
Barium	0.023		1.00	1.04		mg/L		102	75 - 125
Beryllium	<0.00018		0.500	0.516		mg/L		103	75 - 125
Boron	0.051	J	1.25	1.21		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125
Calcium	30		25.0	58.8		mg/L		115	75 - 125
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125
Cobalt	<0.00013		0.500	0.532		mg/L		106	75 - 125
Copper	0.0010	J	0.500	0.526		mg/L		105	75 - 125
Lead	0.00014	J	0.500	0.518		mg/L		103	75 - 125
Nickel	<0.00034		0.500	0.523		mg/L		105	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00022	J	1.00	1.11		mg/L		111	75 - 125
Vanadium	0.0017		0.500	0.517		mg/L		103	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: 180-118908-D-10-F MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Antimony	<0.00038		0.250	0.239		mg/L		95	75 - 125	0	20
Arsenic	0.00079	J	1.00	1.05		mg/L		105	75 - 125	1	20
Barium	0.023		1.00	1.04		mg/L		102	75 - 125	0	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Boron	0.051	J	1.25	1.23		mg/L		94	75 - 125	2	20
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125	0	20
Calcium	30		25.0	58.3		mg/L		113	75 - 125	1	20
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125	0	20
Cobalt	<0.00013		0.500	0.528		mg/L		106	75 - 125	1	20
Copper	0.0010	J	0.500	0.522		mg/L		104	75 - 125	1	20
Lead	0.00014	J	0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	<0.00034		0.500	0.519		mg/L		104	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	0	20
Silver	<0.00018		0.250	0.250		mg/L		100	75 - 125	1	20
Thallium	0.00022	J	1.00	1.10		mg/L		110	75 - 125	1	20
Vanadium	0.0017		0.500	0.518		mg/L		103	75 - 125	0	20

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

**Lab Sample ID: MB 180-353601/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:41	1

**Lab Sample ID: LCS 180-353601/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

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

**Lab Sample ID: 180-119437-C-2-C MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.00013		0.00100	0.00119		mg/L		119	75 - 125

**Lab Sample ID: 180-119437-C-2-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Mercury	<0.00013		0.00100	0.00119		mg/L		119	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: MB 180-353602/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:10	1

**Lab Sample ID: LCS 180-353602/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00291		mg/L		116	80 - 120

**Lab Sample ID: 180-119475-B-8-C MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: 180-119475-B-8-C MS**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013	F1	0.00100	0.000382	F1	mg/L		38	75 - 125

**Lab Sample ID: 180-119475-B-8-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: 180-119475-B-8-D MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013	F1	0.00100	0.000404	F1	mg/L		40	75 - 125	6	20

**Lab Sample ID: MB 180-353605/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 11:56	1

**Lab Sample ID: LCS 180-353605/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00284		mg/L		114	80 - 120

**Lab Sample ID: 180-119535-E-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00113		mg/L		113	75 - 125

**Lab Sample ID: 180-119535-E-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00111		mg/L		111	75 - 125	2	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

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

**Lab Sample ID: MB 180-353839/1-A**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:04	1

**Lab Sample ID: LCS 180-353839/2-A**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

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

**Lab Sample ID: 180-119649-M-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

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

**Lab Sample ID: 180-119649-M-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125	1	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-352456/2**  
**Matrix: Water**  
**Analysis Batch: 352456**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:48	1

**Lab Sample ID: LCS 180-352456/1**  
**Matrix: Water**  
**Analysis Batch: 352456**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	472		mg/L		97	80 - 120

**Lab Sample ID: 180-119423-B-3 DU**  
**Matrix: Water**  
**Analysis Batch: 352456**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	370		376		mg/L		2	10

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: MB 180-352457/2**  
**Matrix: Water**  
**Analysis Batch: 352457**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:52	1

**Lab Sample ID: LCS 180-352457/1**  
**Matrix: Water**  
**Analysis Batch: 352457**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	442		mg/L		91	80 - 120

**Lab Sample ID: 180-119475-4 DU**  
**Matrix: Water**  
**Analysis Batch: 352457**

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	120		116		mg/L		3	10

**Lab Sample ID: 180-119475-14 DU**  
**Matrix: Water**  
**Analysis Batch: 352457**

**Client Sample ID: GWC-18**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	62		61.0		mg/L		0	10

**Lab Sample ID: MB 180-352626/2**  
**Matrix: Water**  
**Analysis Batch: 352626**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:05	1

**Lab Sample ID: LCS 180-352626/1**  
**Matrix: Water**  
**Analysis Batch: 352626**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	490		mg/L		101	80 - 120

**Lab Sample ID: 180-119465-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 352626**

**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	150		145		mg/L		0.7	10

**Lab Sample ID: MB 180-352947/2**  
**Matrix: Water**  
**Analysis Batch: 352947**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/13/21 19:18	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: LCS 180-352947/1  
 Matrix: Water  
 Analysis Batch: 352947

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	457	432		mg/L		95	80 - 120

Lab Sample ID: 180-119701-C-1 DU  
 Matrix: Water  
 Analysis Batch: 352947

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1390		mg/L		3	10

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## HPLC/IC

### Analysis Batch: 352646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352646/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352646/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119375-A-6 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119375-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 352844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-119475-2	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-119475-3	GWA-17	Total/NA	Water	EPA 300.0 R2.1	
180-119475-4	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-119475-5	GWC-2	Total/NA	Water	EPA 300.0 R2.1	
180-119475-6	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-119475-7	GWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-119475-9	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-119475-10	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-119475-11	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-119475-12	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-119475-13	GWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-119475-14	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-119475-15	EB CELL 1	Total/NA	Water	EPA 300.0 R2.1	
180-119475-16	FB CELL 1	Total/NA	Water	EPA 300.0 R2.1	
180-119475-17	DUP CELL 1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352844/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352844/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119475-1 MS	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-119475-1 MSD	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-119475-3 MS	GWA-17	Total/NA	Water	EPA 300.0 R2.1	
180-119475-3 MSD	GWA-17	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 352845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	EPA 300.0 R2.1	
180-119760-2	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352845/29	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352845/28	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119577-D-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119577-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	EPA 300.0 R2.1	
180-119760-2	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353150/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353150/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Metals

### Prep Batch: 353251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total Recoverable	Water	3005A	
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total Recoverable	Water	3005A	
180-119475-2	GWA-16	Total Recoverable	Water	3005A	
180-119475-3	GWA-17	Total Recoverable	Water	3005A	
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119475-3 MS	GWA-17	Total Recoverable	Water	3005A	
180-119475-3 MSD	GWA-17	Total Recoverable	Water	3005A	

### Prep Batch: 353427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total Recoverable	Water	3005A	
180-119475-5	GWC-2	Total Recoverable	Water	3005A	
180-119475-6	GWC-5	Total Recoverable	Water	3005A	
180-119475-7	GWC-7	Total Recoverable	Water	3005A	
180-119475-9	GWC-9	Total Recoverable	Water	3005A	
180-119475-10	GWC-10	Total Recoverable	Water	3005A	
180-119475-11	GWC-11	Total Recoverable	Water	3005A	
180-119475-12	GWC-12	Total Recoverable	Water	3005A	
180-119475-13	GWC-14	Total Recoverable	Water	3005A	
180-119475-14	GWC-18	Total Recoverable	Water	3005A	
180-119475-15	EB CELL 1	Total Recoverable	Water	3005A	
180-119475-16	FB CELL 1	Total Recoverable	Water	3005A	
180-119475-17	DUP CELL 1	Total Recoverable	Water	3005A	
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119480-C-9-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119480-C-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	7470A	
180-119475-2	GWA-16	Total/NA	Water	7470A	
180-119475-3	GWA-17	Total/NA	Water	7470A	
180-119475-4	GWC-1	Total/NA	Water	7470A	
180-119475-5	GWC-2	Total/NA	Water	7470A	
180-119475-6	GWC-5	Total/NA	Water	7470A	
180-119475-7	GWC-7	Total/NA	Water	7470A	
MB 180-353601/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353601/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119437-C-2-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119437-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Metals

### Prep Batch: 353602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-9	GWC-9	Total/NA	Water	7470A	
180-119475-10	GWC-10	Total/NA	Water	7470A	
180-119475-11	GWC-11	Total/NA	Water	7470A	
180-119475-12	GWC-12	Total/NA	Water	7470A	
180-119475-13	GWC-14	Total/NA	Water	7470A	
180-119475-14	GWC-18	Total/NA	Water	7470A	
180-119475-15	EB CELL 1	Total/NA	Water	7470A	
180-119475-16	FB CELL 1	Total/NA	Water	7470A	
180-119475-17	DUP CELL 1	Total/NA	Water	7470A	
MB 180-353602/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119475-B-8-C MS	180-119475-B-8-C MS	Total/NA	Water	7470A	
180-119475-B-8-D MSD	180-119475-B-8-D MSD	Total/NA	Water	7470A	

### Prep Batch: 353605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	7470A	
MB 180-353605/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353605/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119535-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119535-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total Recoverable	Water	3005A	
180-119760-2	GWC-13	Total Recoverable	Water	3005A	
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	3005A	
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

### Prep Batch: 353839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	7470A	
180-119760-2	GWC-13	Total/NA	Water	7470A	
MB 180-353839/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 353846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	EPA 7470A	353601
180-119475-2	GWA-16	Total/NA	Water	EPA 7470A	353601
180-119475-3	GWA-17	Total/NA	Water	EPA 7470A	353601
180-119475-4	GWC-1	Total/NA	Water	EPA 7470A	353601
180-119475-5	GWC-2	Total/NA	Water	EPA 7470A	353601
180-119475-6	GWC-5	Total/NA	Water	EPA 7470A	353601
180-119475-7	GWC-7	Total/NA	Water	EPA 7470A	353601
180-119475-9	GWC-9	Total/NA	Water	EPA 7470A	353602
180-119475-10	GWC-10	Total/NA	Water	EPA 7470A	353602

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Metals (Continued)

### Analysis Batch: 353846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-11	GWC-11	Total/NA	Water	EPA 7470A	353602
180-119475-12	GWC-12	Total/NA	Water	EPA 7470A	353602
180-119475-13	GWC-14	Total/NA	Water	EPA 7470A	353602
180-119475-14	GWC-18	Total/NA	Water	EPA 7470A	353602
180-119475-15	EB CELL 1	Total/NA	Water	EPA 7470A	353602
180-119475-16	FB CELL 1	Total/NA	Water	EPA 7470A	353602
180-119475-17	DUP CELL 1	Total/NA	Water	EPA 7470A	353602
180-119485-1	GWC-4	Total/NA	Water	EPA 7470A	353605
MB 180-353601/1-A	Method Blank	Total/NA	Water	EPA 7470A	353601
MB 180-353602/1-A	Method Blank	Total/NA	Water	EPA 7470A	353602
MB 180-353605/1-A	Method Blank	Total/NA	Water	EPA 7470A	353605
LCS 180-353601/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353601
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353602
LCS 180-353605/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353605
180-119437-C-2-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353601
180-119437-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353601
180-119475-B-8-C MS	180-119475-B-8-C MS	Total/NA	Water	EPA 7470A	353602
180-119475-B-8-D MSD	180-119475-B-8-D MSD	Total/NA	Water	EPA 7470A	353602
180-119535-E-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353605
180-119535-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353605

### Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total Recoverable	Water	EPA 6020B	353251
180-119760-1	GWC-3	Total Recoverable	Water	EPA 6020B	353689
180-119760-2	GWC-13	Total Recoverable	Water	EPA 6020B	353689
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	EPA 6020B	353689
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353689
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353251
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353251

### Analysis Batch: 353926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total Recoverable	Water	EPA 6020B	353251
180-119760-1	GWC-3	Total Recoverable	Water	EPA 6020B	353689
180-119760-2	GWC-13	Total Recoverable	Water	EPA 6020B	353689
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353251
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689

### Analysis Batch: 353952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total Recoverable	Water	EPA 6020B	353424
180-119475-2	GWA-16	Total Recoverable	Water	EPA 6020B	353424
180-119475-3	GWA-17	Total Recoverable	Water	EPA 6020B	353424
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	EPA 6020B	353424
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353424

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Metals (Continued)

### Analysis Batch: 353952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-3 MS	GWA-17	Total Recoverable	Water	EPA 6020B	353424
180-119475-3 MSD	GWA-17	Total Recoverable	Water	EPA 6020B	353424

### Analysis Batch: 354045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	EPA 7470A	353839
180-119760-2	GWC-13	Total/NA	Water	EPA 7470A	353839
MB 180-353839/1-A	Method Blank	Total/NA	Water	EPA 7470A	353839
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353839

### Analysis Batch: 354281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total Recoverable	Water	EPA 6020B	353424
180-119475-2	GWA-16	Total Recoverable	Water	EPA 6020B	353424
180-119475-3	GWA-17	Total Recoverable	Water	EPA 6020B	353424
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	EPA 6020B	353424
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353424
180-119475-3 MS	GWA-17	Total Recoverable	Water	EPA 6020B	353424
180-119475-3 MSD	GWA-17	Total Recoverable	Water	EPA 6020B	353424

### Analysis Batch: 354323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total Recoverable	Water	EPA 6020B	353427
180-119475-5	GWC-2	Total Recoverable	Water	EPA 6020B	353427
180-119475-6	GWC-5	Total Recoverable	Water	EPA 6020B	353427
180-119475-7	GWC-7	Total Recoverable	Water	EPA 6020B	353427
180-119475-9	GWC-9	Total Recoverable	Water	EPA 6020B	353427
180-119475-10	GWC-10	Total Recoverable	Water	EPA 6020B	353427
180-119475-11	GWC-11	Total Recoverable	Water	EPA 6020B	353427
180-119475-12	GWC-12	Total Recoverable	Water	EPA 6020B	353427
180-119475-13	GWC-14	Total Recoverable	Water	EPA 6020B	353427
180-119475-14	GWC-18	Total Recoverable	Water	EPA 6020B	353427
180-119475-15	EB CELL 1	Total Recoverable	Water	EPA 6020B	353427
180-119475-16	FB CELL 1	Total Recoverable	Water	EPA 6020B	353427
180-119475-17	DUP CELL 1	Total Recoverable	Water	EPA 6020B	353427
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353427
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353427
180-119480-C-9-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353427
180-119480-C-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353427

### Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total Recoverable	Water	EPA 6020B	353427
180-119475-6	GWC-5	Total Recoverable	Water	EPA 6020B	353427
180-119475-9	GWC-9	Total Recoverable	Water	EPA 6020B	353427
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353427
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353427

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## General Chemistry

### Analysis Batch: 352456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	SM 2540C	
180-119475-2	GWA-16	Total/NA	Water	SM 2540C	
180-119475-3	GWA-17	Total/NA	Water	SM 2540C	
MB 180-352456/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352456/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119423-B-3 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total/NA	Water	SM 2540C	
180-119475-5	GWC-2	Total/NA	Water	SM 2540C	
180-119475-6	GWC-5	Total/NA	Water	SM 2540C	
180-119475-7	GWC-7	Total/NA	Water	SM 2540C	
180-119475-9	GWC-9	Total/NA	Water	SM 2540C	
180-119475-10	GWC-10	Total/NA	Water	SM 2540C	
180-119475-11	GWC-11	Total/NA	Water	SM 2540C	
180-119475-12	GWC-12	Total/NA	Water	SM 2540C	
180-119475-13	GWC-14	Total/NA	Water	SM 2540C	
180-119475-14	GWC-18	Total/NA	Water	SM 2540C	
180-119475-15	EB CELL 1	Total/NA	Water	SM 2540C	
180-119475-16	FB CELL 1	Total/NA	Water	SM 2540C	
180-119475-17	DUP CELL 1	Total/NA	Water	SM 2540C	
MB 180-352457/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352457/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119475-4 DU	GWC-1	Total/NA	Water	SM 2540C	
180-119475-14 DU	GWC-18	Total/NA	Water	SM 2540C	

### Analysis Batch: 352626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	SM 2540C	
MB 180-352626/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352626/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119465-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	SM 2540C	
180-119760-2	GWC-13	Total/NA	Water	SM 2540C	
MB 180-352947/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352947/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119701-C-1 DU	Duplicate	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 352049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	Field Sampling	

### Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119475-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 352098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-2	GWA-16	Total/NA	Water	Field Sampling	
180-119475-3	GWA-17	Total/NA	Water	Field Sampling	
180-119475-4	GWC-1	Total/NA	Water	Field Sampling	
180-119475-5	GWC-2	Total/NA	Water	Field Sampling	
180-119475-6	GWC-5	Total/NA	Water	Field Sampling	
180-119475-7	GWC-7	Total/NA	Water	Field Sampling	
180-119475-9	GWC-9	Total/NA	Water	Field Sampling	
180-119475-10	GWC-10	Total/NA	Water	Field Sampling	
180-119475-11	GWC-11	Total/NA	Water	Field Sampling	
180-119475-12	GWC-12	Total/NA	Water	Field Sampling	
180-119475-13	GWC-14	Total/NA	Water	Field Sampling	
180-119475-14	GWC-18	Total/NA	Water	Field Sampling	

### Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	Field Sampling	
180-119760-2	GWC-13	Total/NA	Water	Field Sampling	

**Chain of Custody Record**

TestAmerica Laboratories, Inc.

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

Project Manager: Dawn Prell  
 Site Contact: Dawn Prell  
 Lab Contact: Shall Brown

Tel/Fax: 248-536-5445  
 Date: 4.1.2021  
 Carrier: \_\_\_\_\_

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Client Contact  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 j.abraham@southernco.com  
 Project Name: CCR - Plant Scherer Cell 1  
 Site: Georgia  
 P O # 18019884

Sampler: \_\_\_\_\_  
 For Lab Use Only:  
 Walk-in Client: \_\_\_\_\_  
 On-Site Sampling: \_\_\_\_\_  
 IDG No.: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Sample Specific Notes
						Perform MS / MSD (Y/N)	Ag, Ti, Vn, Zn	
GWA-15	4/1/2021	9:51	G	GW	4	X	X	pH= 5.31
GWA-16	4/1/2021	10:46	G	GW	4	X	X	pH= 6.44
GWA-17	4/1/2021	13:25	G	GW	4	X	X	pH= 6.14
GWC-1	4/1/2021	15:52	G	GW	4	X	X	pH= 6.52
GWC-2	4/1/2021	16:16	G	GW	4	X	X	pH= 7.32
GWC-5	4/1/2021	14:20	G	GW	4	X	X	pH= 6.01
GWC-7	4/1/2021	14:35	G	GW	4	X	X	pH= 6.40
GWC-8A	4/1/2021	13:13	G	GW	4	X	X	pH= 6.28
GWC-9	4/1/2021	12:08	G	GW	4	X	X	pH= 6.35
GWC-10	4/1/2021	16:23	G	GW	4	X	X	pH= 6.11
GWC-11	4/1/2021	13:39	G	GW	4	X	X	pH= 5.18
GWC-12	4/1/2021	12:21	G	GW	4	X	X	
						4	1	

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

Possible Hazard Identification: \_\_\_\_\_  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: \_\_\_\_\_

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

Received by: Shawn Jobe Date/Time: 4/1/21 16:19  
 Received by: EPA Date/Time: 4/21/21 17:57  
 Received by: William Date/Time: 4/21/21

Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
 Custody Seal No.: \_\_\_\_\_  
 Company: Abraham Ass.  
 Company: Abraham Ass.  
 Company: EPA



# Chain of Custody Record

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

Regulatory Program:  DW  IPDES  RCRA  Other:

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

Client Contact  
Joju Abraham  
Southern Company

Site Contact: Dawn Prell  
Lab Contact: Shali Brown  
Carrier: \_\_\_\_\_  
COC No.: 2 of 2 COCs

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below: 3-5 days \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Vn, Zn  
CI, F, SO4, TDS  
Perform MS/MSD (Y/N) \_\_\_\_\_  
Filtered Sample (Y/N) \_\_\_\_\_

Sample Identification  
GWC-14  
GWC-18  
EB\_Cell 1  
FB\_Cell 1  
DUP\_Cell 1

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
4/1/2021	10:47	G	GW	4
4/1/2021	11:57	G	GW	4
4/1/2021	13:39	G	Water	4
4/1/2021	12:45	G	Water	4
4/1/2021	-----	G	GW	4

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  
 Disposal by Lab  
 Archive for \_\_\_\_\_ Months

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

Custody Seals Intact:  Yes  No  
 Relinquished by: [Signature] Date/Time: 4/2/21 Company: Enbridge  
 Relinquished by: [Signature] Date/Time: 4/2/21 Company: Enbridge  
 Relinquished by: [Signature] Date/Time: 4/2/21 Company: Enbridge

**Chain of Custody Record**

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

<b>Client Contact</b>		<b>Site Contact: Dawn Prell</b>		<b>Date: 4.2.2021</b>		<b>COC No:</b> 1 of 1 COCs	
Joju Abraham Southern Company		Lab Contact: Shali Brown		Carrier:			
241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com		6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Vn, Zn		CI, F, SO4, TDS		Sample Specific Notes: pH= 6.35	
<b>Project Name: CCR - Plant Scherer Cell 1</b>		<b>Analysis Turnaround Time</b>		<b>Performs MS / MSD (Y / N)</b>			
Site: Georgia P O # 18019884		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below ___ 3-5 days ___ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y / N) 4/2/2021			
<b>Sample Identification</b>		<b>Sample Date</b>		<b>Sample Time</b>		<b>Sample Type (C=Comp, G=Grab)</b>	
GWC-4		4/2/2021		11:46		G	
						Matrix	
						GW	
						# of Cont.	
						4	



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

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

Special Instructions/QC Requirements & Comments:

<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown	
<input type="checkbox"/> Return to Client		<input type="checkbox"/> Disposal by Lab		<input type="checkbox"/> Archive for		Months			
<b>Custody Seals Intact:</b>		<input type="checkbox"/> Yes		<input type="checkbox"/> No		<b>Custody Seal No.:</b>			
Relinquished by: [Signature]		Company: [Signature]		Date/Time: 4/2/21		Received by: [Signature]		Company: [Signature]	
Relinquished by: [Signature]		Company: [Signature]		Date/Time: 4/2/21		Received by: [Signature]		Company: [Signature]	
Relinquished by: [Signature]		Company: [Signature]		Date/Time: 4/2/21		Received in Laboratory by: [Signature]		Company: [Signature]	





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

# Chain of Custody Record



**TestAmerica Laboratories, Inc.**

Regulatory Program:  DW  NPDES  RCRA  Other:

**Client Contact**  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
**Project Name: CCR - Plant Scherer Cell 1**  
 Site: Georgia  
 P O #

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


**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_ 3-5 days \_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact: Dawn Prell**  
**Lab Contact: Shali Brown**

**Date: 4.6.2021**  
**Carrier:**

**COC No:** 1 of 1 COCs

**Sampler:**  
**For Lab Use Only:**  
 Walk-in Client:  
 Lab Sampling:  
 Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Sample Specific Notes:
						Ag, Ti, Vn, Zn	Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ca	6020, 7470A, As, Ba, B, Be, Ca	Ci, F, SO4, TDS	
GWC-3	4/6/2021	11:46	G	GW	4		X	X		pH= 6.01
GWC-13	4/6/2021	15:00	G	GW	4		X	X		pH= 5.95
 180-119760 Chain of Custody										

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

**Possible Hazard Identification:**  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

**Special Instructions/QC Requirements & Comments:**

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return to Client  Disposal by Lab  Archive for \_\_\_ Months

**Custody Seal No.:** \_\_\_\_\_  
 Relinquished by: Jan 20  Yes  No  
 Relinquished by: Golda Date/Time: 4/22/2021 10:00  
 Relinquished by: ETA Date/Time: 4/22/2021 10:00

**Received by:** Elaine Cook Date/Time: 4/22/2021 10:00  
**Received by:** Shali Brown Date/Time: 4/22/2021 10:00  
**Received in Laboratory by:** Shali Brown Date/Time: 4/22/2021 10:00

**Company:** Weyerhaeuser  
**Company:** Weyerhaeuser  
**Company:** Weyerhaeuser

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



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119475-1

**Login Number: 119475**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119475-1

**Login Number: 119485**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119475-1

**Login Number: 119760**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119604-2  
Client Project/Site: Plant Scherer Cell 1

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

Attn: Joju Abraham



Authorized for release by:  
6/7/2021 8:16:34 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	10
QC Sample Results . . . . .	14
QC Association Summary . . . . .	17
Chain of Custody . . . . .	18
Receipt Checklists . . . . .	19

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

---

**Job ID: 180-119604-2**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

---

**Narrative**

**Job Narrative  
180-119604-2**

**Comments**

No additional comments.

**Receipt**

The samples were received on 4/7/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 3.4° C.

**Metals**

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

## Qualifiers

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

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



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119604-1	GWC-6	Water	04/05/21 16:42	04/07/21 09:30	
180-119604-2	GWC-8A	Water	04/05/21 12:54	04/07/21 09:30	
180-119604-3	GWC-19	Water	04/05/21 12:50	04/07/21 09:30	
180-119604-4	GWC-20	Water	04/05/21 11:50	04/07/21 09:30	

1

2

3

4

5

6

7

8

9

10

11

12

13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

## Client Sample ID: GWC-6

Date Collected: 04/05/21 16:42

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119604-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:17	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 16:42	QDR	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWC-8A

Date Collected: 04/05/21 12:54

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119604-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:41	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 12:54	QDR	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWC-19

Date Collected: 04/05/21 12:50

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119604-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:43	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 12:50	QDR	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: GWC-20

Date Collected: 04/05/21 11:50

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119604-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:46	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 11:50	QDR	TAL PIT
		Instrument ID: NOEQUIP								

### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

TJO = Tyler Oliver

Batch Type: Analysis

QDR = Quinita Reynolds

RSK = Robert Kurtz

1

2

3

4

5

6

7

8

9

10

11

12

13

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

**Client Sample ID: GWC-6**  
Date Collected: 04/05/21 16:42  
Date Received: 04/07/21 09:30

**Lab Sample ID: 180-119604-1**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:15	06/02/21 13:17	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Barium</b>	<b>0.054</b>		0.010	0.0016	mg/L		04/16/21 13:15	06/02/21 13:17	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Boron</b>	<b>0.042</b>	<b>J</b>	0.080	0.039	mg/L		04/16/21 13:15	06/02/21 13:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Calcium</b>	<b>16</b>		0.50	0.13	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Chromium</b>	<b>0.0050</b>		0.0020	0.0015	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Cobalt</b>	<b>0.00015</b>	<b>J</b>	0.0025	0.00013	mg/L		04/16/21 13:15	06/02/21 13:17	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:15	06/02/21 13:17	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Nickel</b>	<b>0.00088</b>	<b>J</b>	0.0010	0.00034	mg/L		04/16/21 13:15	06/02/21 13:17	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:15	06/02/21 13:17	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Thallium</b>	<b>0.00030</b>	<b>J B</b>	0.0010	0.00015	mg/L		04/16/21 13:15	06/02/21 13:17	1
<b>Vanadium</b>	<b>0.0091</b>		0.0010	0.00099	mg/L		04/16/21 13:15	06/02/21 13:17	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:15	06/02/21 13:17	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.36</b>				SU			04/05/21 16:42	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

**Client Sample ID: GWC-8A**  
 Date Collected: 04/05/21 12:54  
 Date Received: 04/07/21 09:30

**Lab Sample ID: 180-119604-2**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Arsenic</b>	<b>0.00097</b>	<b>J</b>	0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Barium</b>	<b>0.045</b>		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Beryllium</b>	<b>0.00038</b>	<b>J B</b>	0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Boron</b>	<b>0.18</b>		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Cadmium</b>	<b>0.00030</b>	<b>J</b>	0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Calcium</b>	<b>52</b>		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:41	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Cobalt</b>	<b>0.0026</b>		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Lead</b>	<b>0.00034</b>	<b>J B</b>	0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Nickel</b>	<b>0.0058</b>		0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Thallium</b>	<b>0.00081</b>	<b>J B</b>	0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:41	1
<b>Vanadium</b>	<b>0.0023</b>		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:41	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.35</b>				SU			04/05/21 12:54	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-119604-3**

Date Collected: 04/05/21 12:50

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:43	1
<b>Barium</b>	<b>0.028</b>		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:43	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:43	1
<b>Calcium</b>	<b>15</b>		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:43	1
<b>Chromium</b>	<b>0.012</b>		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:43	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:43	1
<b>Lead</b>	<b>0.00014</b>	<b>J B</b>	0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:43	1
<b>Nickel</b>	<b>0.00047</b>	<b>J</b>	0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:43	1
<b>Thallium</b>	<b>0.00032</b>	<b>J B</b>	0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:43	1
<b>Vanadium</b>	<b>0.0068</b>		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:43	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.37</b>				SU			04/05/21 12:50	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

**Client Sample ID: GWC-20**  
Date Collected: 04/05/21 11:50  
Date Received: 04/07/21 09:30

**Lab Sample ID: 180-119604-4**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:46	1
<b>Barium</b>	<b>0.029</b>		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:46	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:46	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:46	1
<b>Calcium</b>	<b>14</b>		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:46	1
<b>Chromium</b>	<b>0.0080</b>		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:46	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:46	1
<b>Nickel</b>	<b>0.00048</b>	<b>J</b>	0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:46	1
<b>Vanadium</b>	<b>0.017</b>		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:46	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:46	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.64</b>				SU			04/05/21 11:50	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

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

**Lab Sample ID: MB 180-353428/1-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:15	06/02/21 13:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:15	06/02/21 13:11	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:15	06/02/21 13:11	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:15	06/02/21 13:11	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:15	06/02/21 13:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:15	06/02/21 13:11	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:15	06/02/21 13:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:15	06/02/21 13:11	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:15	06/02/21 13:11	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:15	06/02/21 13:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:15	06/02/21 13:11	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:15	06/02/21 13:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:15	06/02/21 13:11	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:15	06/02/21 13:11	1
Thallium	0.000180	J	0.0010	0.00015	mg/L		04/16/21 13:15	06/02/21 13:11	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:15	06/02/21 13:11	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:15	06/02/21 13:11	1

**Lab Sample ID: LCS 180-353428/2-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.248		mg/L		99	80 - 120
Arsenic	1.00	1.01		mg/L		101	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	1.39		mg/L		111	80 - 120
Cadmium	0.500	0.534		mg/L		107	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.495		mg/L		99	80 - 120
Copper	0.500	0.496		mg/L		99	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.496		mg/L		99	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.250	0.271		mg/L		108	80 - 120
Thallium	1.00	1.03		mg/L		103	80 - 120
Vanadium	0.500	0.518		mg/L		104	80 - 120
Zinc	0.250	0.253		mg/L		101	80 - 120

**Lab Sample ID: 180-119604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: GWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.247		mg/L		99	75 - 125
Arsenic	<0.00031		1.00	0.980		mg/L		98	75 - 125
Barium	0.054		1.00	1.09		mg/L		104	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

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

**Lab Sample ID: 180-119604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: GWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	<0.00018		0.500	0.510		mg/L		102	75 - 125
Boron	0.042	J	1.25	1.41		mg/L		110	75 - 125
Cadmium	<0.00022		0.500	0.527		mg/L		105	75 - 125
Calcium	16		25.0	42.4		mg/L		107	75 - 125
Chromium	0.0050		0.500	0.500		mg/L		99	75 - 125
Cobalt	0.00015	J	0.500	0.484		mg/L		97	75 - 125
Copper	<0.00063		0.500	0.481		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.493		mg/L		99	75 - 125
Nickel	0.00088	J	0.500	0.481		mg/L		96	75 - 125
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125
Silver	<0.00018		0.250	0.259		mg/L		103	75 - 125
Thallium	0.00030	J B	1.00	1.01		mg/L		101	75 - 125
Vanadium	0.0091		0.500	0.510		mg/L		100	75 - 125
Zinc	<0.0032		0.250	0.250		mg/L		100	75 - 125

**Lab Sample ID: 180-119604-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: GWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.244		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	0.958		mg/L		96	75 - 125	2	20
Barium	0.054		1.00	1.08		mg/L		102	75 - 125	2	20
Beryllium	<0.00018		0.500	0.490		mg/L		98	75 - 125	4	20
Boron	0.042	J	1.25	1.37		mg/L		107	75 - 125	3	20
Cadmium	<0.00022		0.500	0.519		mg/L		104	75 - 125	2	20
Calcium	16		25.0	41.8		mg/L		105	75 - 125	1	20
Chromium	0.0050		0.500	0.497		mg/L		98	75 - 125	1	20
Cobalt	0.00015	J	0.500	0.472		mg/L		94	75 - 125	2	20
Copper	<0.00063		0.500	0.473		mg/L		95	75 - 125	2	20
Lead	<0.00013		0.500	0.481		mg/L		96	75 - 125	2	20
Nickel	0.00088	J	0.500	0.462		mg/L		92	75 - 125	4	20
Selenium	<0.0015		1.00	0.995		mg/L		99	75 - 125	2	20
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125	1	20
Thallium	0.00030	J B	1.00	0.977		mg/L		98	75 - 125	3	20
Vanadium	0.0091		0.500	0.508		mg/L		100	75 - 125	0	20
Zinc	<0.0032		0.250	0.243		mg/L		97	75 - 125	3	20

**Lab Sample ID: MB 180-353680/1-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:30	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:30	1
Beryllium	0.000364	J	0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:30	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:30	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

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

**Lab Sample ID: MB 180-353680/1-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:30	1
Lead	0.000162	J	0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:30	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:30	1
Thallium	0.000543	J	0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:30	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:30	1

**Lab Sample ID: LCS 180-353680/2-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.237		mg/L		95	80 - 120
Arsenic	1.00	0.960		mg/L		96	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	0.500	0.487		mg/L		97	80 - 120
Boron	1.25	1.27		mg/L		101	80 - 120
Cadmium	0.500	0.514		mg/L		103	80 - 120
Calcium	25.0	25.7		mg/L		103	80 - 120
Chromium	0.500	0.496		mg/L		99	80 - 120
Cobalt	0.500	0.488		mg/L		98	80 - 120
Copper	0.500	0.472		mg/L		94	80 - 120
Lead	0.500	0.478		mg/L		96	80 - 120
Nickel	0.500	0.466		mg/L		93	80 - 120
Selenium	1.00	0.985		mg/L		99	80 - 120
Silver	0.250	0.251		mg/L		100	80 - 120
Thallium	1.00	0.974		mg/L		97	80 - 120
Vanadium	0.500	0.497		mg/L		99	80 - 120
Zinc	0.250	0.242		mg/L		97	80 - 120

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-119604-2

## Metals

### Prep Batch: 353428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total Recoverable	Water	3005A	
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119604-1 MS	GWC-6	Total Recoverable	Water	3005A	
180-119604-1 MSD	GWC-6	Total Recoverable	Water	3005A	

### Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-2	GWC-8A	Total Recoverable	Water	3005A	
180-119604-3	GWC-19	Total Recoverable	Water	3005A	
180-119604-4	GWC-20	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 359294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total Recoverable	Water	EPA 6020B	353428
180-119604-2	GWC-8A	Total Recoverable	Water	EPA 6020B	353680
180-119604-3	GWC-19	Total Recoverable	Water	EPA 6020B	353680
180-119604-4	GWC-20	Total Recoverable	Water	EPA 6020B	353680
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353428
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353428
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
180-119604-1 MS	GWC-6	Total Recoverable	Water	EPA 6020B	353428
180-119604-1 MSD	GWC-6	Total Recoverable	Water	EPA 6020B	353428

## Field Service / Mobile Lab

### Analysis Batch: 359590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total/NA	Water	Field Sampling	
180-119604-2	GWC-8A	Total/NA	Water	Field Sampling	
180-119604-3	GWC-19	Total/NA	Water	Field Sampling	
180-119604-4	GWC-20	Total/NA	Water	Field Sampling	

**TestAmerica Pittsburgh**

301 Alpha Drive  
 RDC Park  
 Pittsburgh, PA 15206-2907  
 phone 412 963 7058 fax 412 963 2488

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  GW  SW  WQA  Other

Client Contact <b>Yogi Abraham</b>	Project Manager: <b>Dawn Freil</b> Tel/Fax: <b>248-535-5448</b>	Site Contact: <b>Dawn Freil</b>	Date: <b>4.4.2021</b>
Southern Company 241 Ralph McGill Blvd SE, B12185 Atlanta, GA 30308 US: 404.988.6600 Project Name: <b>CCR - Plant Scheme Cell 1</b> Site: <b>Georgia</b> P.O. #	Lab Contact: <b>Shel Brown</b>		Carrier:
Analysis Turnaround Time <input type="checkbox"/> Calendar days <input type="checkbox"/> Working days DUT is offered from <b>_____</b> to <b>_____</b> days		Sampler: For Lab Use Only Initials: Client _____ Lab Sampling _____ App: <b>_____</b> No: _____	

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Containers	Container Material	Container Size	Container Label	Container Seal	Sample Specific Notes
GWC-1	4/5/2021	18:42	G	GW	4					4/5/21 8:28
GWC-1A	4/5/2021	12:54	G	GW	4					4/5/21 8:28
GWC-1B	4/5/2021	12:50	G	GW	4					4/5/21 8:27
GWC-20	4/5/2021	11:58	G	GW	4					4/5/21 8:24

Preservation Level: 1= Ice, 2= ICI, 3= H2SO4, 4=HNO3, 5=Ice/Gel, 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 list is to be disposed of the sample.  
 Not Hazardous  Flammable  Not Inert  Poison  Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):  
 Return to Client  Shipped to Lab  Incinerated \_\_\_\_\_

Special Instructions/OC Requirements & Comments

Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No:	Carrier Terms: <input type="checkbox"/> OC: Client <input type="checkbox"/> Client	Trailer ID No:
Relinquished by: <i>Yogi Abraham</i>	Company: <i>Gold</i>	Date/Time: <i>4/5/21 8:07</i>	Received by: <i>Colleen Nowak</i>
Relinquished by:	Company:	Date/Time:	Received by:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:

Form No. CA-CR-001, Rev. 4.20, dated 2/28/2017

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119604-2

**Login Number: 119604**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119476-1

Client Project/Site: Plant Scherer PAC Ash Cell  
Sampling Event: PAC ASH

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
4/27/2021 5:11:48 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:

[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	15
QC Sample Results . . . . .	30
QC Association Summary . . . . .	43
Chain of Custody . . . . .	49
Receipt Checklists . . . . .	52

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Job ID: 180-119476-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

### Job Narrative 180-119476-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 4/3/2021 10:45 AM, 4/7/2021 9:30 AM and 4/8/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 2.9° C, 2.9° C, 3.2° C, 3.4° C, 3.4° C, 3.7° C, 3.8° C and 3.8° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-21 (180-119476-1). The container labels list a sample collection time of 12:07, while the COC lists 11:19. The time on the COC was used.

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-22 (180-119476-2). The container labels list a sample collection time of 11:19, while the COC lists 12:07. The time on the COC was used.

#### GC Semi VOA

Method 300.0: The matrix spike (MS) recoveries for the following sample associated with analytical batch 180-352845 were low outside control limits for Sulfate: (180-119606-B-5 MS). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 180-353482 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Sulfate in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

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

#### Metals

Methods 6020A, 6020B: The continuing calibration verification (CCV) associated with batch 180-353919 recovered above the upper control limit for boron. The samples associated with this CCV were less than the RL(80ppb) for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWA-49 (180-119766-1) and (CCV 180-353919/139).

Methods 200.8, 6020B: The continuing calibration verification (CCV) associated with batch 180-354450 recovered above the upper control limit for beryllium. The samples associated with this CCV were less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 180-354450/75), (LCS 180-353694/2-A) and (MB 180-353694/1-A).

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

#### Field Service / Mobile Lab

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

#### General Chemistry

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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119476-1	GWA-21	Water	04/02/21 11:19	04/03/21 10:45	
180-119476-2	GWA-22	Water	04/02/21 12:07	04/03/21 10:45	
180-119476-3	GWA-45	Water	04/02/21 11:30	04/03/21 10:45	
180-119606-1	GWA-46	Water	04/05/21 14:15	04/07/21 09:30	
180-119606-2	GWA-47	Water	04/05/21 16:32	04/07/21 09:30	
180-119606-3	GWA-48	Water	04/05/21 14:02	04/07/21 09:30	
180-119606-4	GWC-51	Water	04/05/21 16:04	04/07/21 09:30	
180-119606-5	GWC-52	Water	04/05/21 15:01	04/07/21 09:30	
180-119606-6	DUP-1 (PA)	Water	04/05/21 00:01	04/07/21 09:30	
180-119606-7	FB-1 (PA)	Water	04/05/21 16:04	04/07/21 09:30	
180-119766-1	GWA-49	Water	04/06/21 10:10	04/08/21 09:30	
180-119766-2	GWC-29	Water	04/06/21 13:50	04/08/21 09:30	
180-119766-3	GWC-50	Water	04/06/21 13:39	04/08/21 09:30	
180-119766-4	GWC-53	Water	04/06/21 12:01	04/08/21 09:30	
180-119766-5	EB-1 (PA)	Water	04/06/21 09:15	04/08/21 09:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-21**  
**Date Collected: 04/02/21 11:19**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119476-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 20:02	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 12:51	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:41	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/02/21 11:19	FDS	TAL PIT

**Client Sample ID: GWA-22**  
**Date Collected: 04/02/21 12:07**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119476-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 20:20	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 12:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:42	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/02/21 12:07	FDS	TAL PIT

**Client Sample ID: GWA-45**  
**Date Collected: 04/02/21 11:30**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119476-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 19:44	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 12:25	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:45	KHM	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Client Sample ID: GWA-45

## Lab Sample ID: 180-119476-3

Date Collected: 04/02/21 11:30

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			352098	04/02/21 11:30	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-46

## Lab Sample ID: 180-119606-1

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352845	04/14/21 01:58	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:41	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 11:33	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:45	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352625	04/09/21 17:01	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 14:15	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-47

## Lab Sample ID: 180-119606-2

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352845	04/14/21 03:04	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total/NA	Analysis	EPA 300.0 R2.1		1			353150	04/15/21 12:18	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:45	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 11:36	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:46	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352625	04/09/21 17:01	KMM	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-47**  
**Date Collected: 04/05/21 16:32**  
**Date Received: 04/07/21 09:30**

**Lab Sample ID: 180-119606-2**  
**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	Field Sampling		1			352759	04/05/21 16:32	FDS	TAL PIT

**Client Sample ID: GWA-48**  
**Date Collected: 04/05/21 14:02**  
**Date Received: 04/07/21 09:30**

**Lab Sample ID: 180-119606-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352845	04/14/21 03:20	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 12:35	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:05	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:05	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:47	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352625	04/09/21 17:01	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/05/21 14:02	FDS	TAL PIT

**Client Sample ID: GWC-51**  
**Date Collected: 04/05/21 16:04**  
**Date Received: 04/07/21 09:30**

**Lab Sample ID: 180-119606-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352845	04/14/21 03:36	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 12:53	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:08	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:08	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:48	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Client Sample ID: GWC-51

Date Collected: 04/05/21 16:04

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119606-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 16:04	FDS	TAL PIT

## Client Sample ID: GWC-52

Date Collected: 04/05/21 15:01

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119606-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352845	04/14/21 01:09	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:12	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:12	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:49	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/05/21 15:01	FDS	TAL PIT

## Client Sample ID: DUP-1 (PA)

Date Collected: 04/05/21 00:01

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119606-6

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 Instrument ID: CHICS2100B		1			352845	04/14/21 03:53	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 13:11	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:15	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:15	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:52	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Client Sample ID: FB-1 (PA)

Date Collected: 04/05/21 16:04

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119606-7

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			352845	04/14/21 02:47	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 14:19	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353926	04/20/21 14:19	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:53	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-49

Date Collected: 04/06/21 10:10

Date Received: 04/08/21 09:30

## Lab Sample ID: 180-119766-1

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			353482	04/17/21 11:14	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 16:03	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353926	04/20/21 16:03	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:17	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 10:10	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-29

Date Collected: 04/06/21 13:50

Date Received: 04/08/21 09:30

## Lab Sample ID: 180-119766-2

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			353482	04/17/21 11:32	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:30	RSK	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Client Sample ID: GWC-29

Date Collected: 04/06/21 13:50

Date Received: 04/08/21 09:30

## Lab Sample ID: 180-119766-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:20	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:18	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:50	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-50

Date Collected: 04/06/21 13:39

Date Received: 04/08/21 09:30

## Lab Sample ID: 180-119766-3

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			353482	04/17/21 11:50	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:33	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:23	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:19	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:39	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-53

Date Collected: 04/06/21 12:01

Date Received: 04/08/21 09:30

## Lab Sample ID: 180-119766-4

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			353482	04/17/21 10:21	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:36	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:26	RSK	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-119766-4**

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:20	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 12:01	FDS	TAL PIT
Instrument ID: NOEQUIP										

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

**Lab Sample ID: 180-119766-5**

Date Collected: 04/06/21 09:15

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353482	04/17/21 10:03	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:38	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:34	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:23	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										

**Laboratory References:**

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

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

- DLL = Debbie Lowe
- KEM = Kimberly Mahoney
- MM1 = Mary Beth Miller
- TJO = Tyler Oliver

Batch Type: Analysis

- EPS = Evan Scheuer
- FDS = Sampler Field
- GRB = Gabriel Berghe
- KHM = Kyle Mucroski
- KMM = Kendric Moore
- RSK = Robert Kurtz
- SAT = Stephen Tallam

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-21**

**Lab Sample ID: 180-119476-1**

Date Collected: 04/02/21 11:19

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.7		1.0	0.71	mg/L			04/15/21 20:02	1
Fluoride	0.028	J	0.10	0.026	mg/L			04/15/21 20:02	1
Sulfate	0.99	J	1.0	0.76	mg/L			04/15/21 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:51	1
Barium	0.020		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:51	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:51	1
Calcium	9.2		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:51	1
Chromium	0.0029		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:51	1
Cobalt	0.00016	J	0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:51	1
Nickel	0.00046	J	0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:51	1
Thallium	0.00016	J	0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:51	1
Vanadium	0.0029		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			04/09/21 17:05	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.06				SU			04/02/21 11:19	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-22**

**Lab Sample ID: 180-119476-2**

Date Collected: 04/02/21 12:07

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		1.0	0.71	mg/L			04/15/21 20:20	1
Fluoride	0.032	J	0.10	0.026	mg/L			04/15/21 20:20	1
Sulfate	<0.76		1.0	0.76	mg/L			04/15/21 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:48	1
Barium	0.023		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:48	1
Beryllium	0.00019	J	0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:48	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:48	1
Calcium	9.0		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:48	1
Chromium	0.010		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:48	1
Cobalt	0.00026	J	0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:48	1
Lead	0.00018	J	0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:48	1
Nickel	0.00049	J	0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:48	1
Thallium	0.00036	J	0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:48	1
Vanadium	0.0045		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	69		10	10	mg/L			04/09/21 17:05	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.03				SU			04/02/21 12:07	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-119476-3**

Date Collected: 04/02/21 11:30

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>13</b>		1.0	0.71	mg/L			04/15/21 19:44	1
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 19:44	1
<b>Sulfate</b>	<b>180</b>		1.0	0.76	mg/L			04/15/21 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:25	1
<b>Barium</b>	<b>0.11</b>		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:25	1
<b>Boron</b>	<b>1.1</b>		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:25	1
<b>Calcium</b>	<b>29</b>		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:25	1
<b>Cobalt</b>	<b>0.0020 J</b>		0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:25	1
<b>Nickel</b>	<b>0.00077 J</b>		0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:25	1
<b>Vanadium</b>	<b>0.0014</b>		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:25	1
<b>Zinc</b>	<b>0.0058</b>		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>360</b>		10	10	mg/L			04/09/21 17:05	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.92</b>				SU			04/02/21 11:30	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-119606-1**

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.3		1.0	0.71	mg/L			04/14/21 01:58	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/14/21 01:58	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	04/21/21 18:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	04/21/21 18:41	1
Barium	0.022		0.010	0.0016	mg/L		04/19/21 13:46	04/21/21 18:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	04/21/21 18:41	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	04/22/21 11:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	04/21/21 18:41	1
Calcium	7.0		0.50	0.13	mg/L		04/19/21 13:46	04/21/21 18:41	1
Chromium	0.0041		0.0020	0.0015	mg/L		04/19/21 13:46	04/21/21 18:41	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	04/21/21 18:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	04/21/21 18:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	04/21/21 18:41	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	04/21/21 18:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	04/21/21 18:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	04/21/21 18:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	04/21/21 18:41	1
Vanadium	0.0030		0.0010	0.00099	mg/L		04/19/21 13:46	04/21/21 18:41	1
Zinc	0.0049	J	0.0050	0.0032	mg/L		04/19/21 13:46	04/21/21 18:41	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		04/19/21 09:00	04/20/21 12:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	46		10	10	mg/L			04/09/21 17:01	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			04/05/21 14:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-47**

**Lab Sample ID: 180-119606-2**

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

### 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			04/14/21 03:04	1
Fluoride	0.038	J	0.10	0.026	mg/L			04/15/21 12:18	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	04/21/21 18:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	04/21/21 18:45	1
Barium	0.028		0.010	0.0016	mg/L		04/19/21 13:46	04/21/21 18:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	04/21/21 18:45	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	04/22/21 11:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	04/21/21 18:45	1
Calcium	13		0.50	0.13	mg/L		04/19/21 13:46	04/21/21 18:45	1
Chromium	0.0084		0.0020	0.0015	mg/L		04/19/21 13:46	04/21/21 18:45	1
Cobalt	0.00017	J	0.0025	0.00013	mg/L		04/19/21 13:46	04/21/21 18:45	1
Copper	0.0019	J	0.0020	0.00063	mg/L		04/19/21 13:46	04/21/21 18:45	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	04/21/21 18:45	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	04/21/21 18:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	04/21/21 18:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	04/21/21 18:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	04/21/21 18:45	1
Vanadium	0.0085		0.0010	0.00099	mg/L		04/19/21 13:46	04/21/21 18:45	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	04/21/21 18:45	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		04/19/21 09:00	04/20/21 12:46	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	63		10	10	mg/L			04/09/21 17:01	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.59				SU			04/05/21 16:32	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-119606-3**

Date Collected: 04/05/21 14:02

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.71	mg/L			04/14/21 03:20	1
Fluoride	0.031	J	0.10	0.026	mg/L			04/15/21 12:35	1
Sulfate	1.3		1.0	0.76	mg/L			04/14/21 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:05	1
Arsenic	0.00031	J	0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:05	1
Barium	0.015		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:05	1
Boron	0.044	J	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:05	1
Calcium	13		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:05	1
Chromium	0.0061		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:05	1
Cobalt	0.00019	J	0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:05	1
Copper	0.00093	J	0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:05	1
Nickel	0.00034	J	0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:05	1
Thallium	0.00043	J	0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:05	1
Vanadium	0.019		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:47	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	99		10	10	mg/L			04/09/21 17:01	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.78				SU			04/05/21 14:02	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-119606-4**

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.8		1.0	0.71	mg/L			04/14/21 03:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 12:53	1
Sulfate	1.7		1.0	0.76	mg/L			04/14/21 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:08	1
Barium	0.010		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:08	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:08	1
Calcium	8.0		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:08	1
Chromium	0.0054		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:08	1
Cobalt	0.00020	J	0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:08	1
Nickel	0.0020		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:08	1
Thallium	0.00022	J	0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:08	1
Vanadium	0.0059		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	66		10	10	mg/L			04/09/21 17:09	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.99				SU			04/05/21 16:04	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-119606-5**

Date Collected: 04/05/21 15:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.2		1.0	0.71	mg/L			04/14/21 01:09	1
Fluoride	0.050	J	0.10	0.026	mg/L			04/14/21 01:09	1
Sulfate	57	F1	1.0	0.76	mg/L			04/14/21 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:12	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:12	1
Barium	0.019		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:12	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:12	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:12	1
Calcium	21		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:12	1
Chromium	0.031		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:12	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:12	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:12	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:12	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:12	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:12	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:12	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:12	1
Vanadium	0.011		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:12	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	170		10	10	mg/L			04/09/21 17:09	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.68				SU			04/05/21 15:01	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: 180-119606-6**

Date Collected: 04/05/21 00:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.3		1.0	0.71	mg/L			04/14/21 03:53	1
Fluoride	0.032	J	0.10	0.026	mg/L			04/15/21 13:11	1
Sulfate	57		1.0	0.76	mg/L			04/14/21 03:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:15	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:15	1
Barium	0.018		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:15	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:15	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:15	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:15	1
Calcium	21		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:15	1
Chromium	0.032		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:15	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:15	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:15	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:15	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:15	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:15	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:15	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:15	1
Vanadium	0.011		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:15	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			04/09/21 17:09	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: 180-119606-7**

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/14/21 02:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/14/21 02:47	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:19	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:19	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:19	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:19	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:19	1
<b>Vanadium</b>	<b>0.0017</b>		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:53	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:09	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWA-49**

**Lab Sample ID: 180-119766-1**

Date Collected: 04/06/21 10:10

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.71	mg/L			04/17/21 11:14	1
Fluoride	0.030	J	0.10	0.026	mg/L			04/17/21 11:14	1
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 16:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 16:03	1
Barium	0.020		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 16:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 16:03	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 16:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 16:03	1
Calcium	16		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 16:03	1
Chromium	0.0055		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 16:03	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 16:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 16:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 16:03	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 16:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 16:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 16:03	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 16:03	1
Vanadium	0.021		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 16:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:17	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/13/21 19:18	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.87				SU			04/06/21 10:10	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWC-29**

**Lab Sample ID: 180-119766-2**

Date Collected: 04/06/21 13:50

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.3		1.0	0.71	mg/L			04/17/21 11:32	1
Fluoride	0.031	J	0.10	0.026	mg/L			04/17/21 11:32	1
Sulfate	2.5		1.0	0.76	mg/L			04/17/21 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:30	1
Barium	0.018		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:20	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:30	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:30	1
Calcium	17		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:30	1
Nickel	0.0042	B	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:30	1
Vanadium	0.0045		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:30	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		04/20/21 13:20	04/21/21 11:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/13/21 19:18	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.30				SU			04/06/21 13:50	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWC-50**

**Lab Sample ID: 180-119766-3**

Date Collected: 04/06/21 13:39

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>1.9</b>		1.0	0.71	mg/L			04/17/21 11:50	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 11:50	1
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:33	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:33	1
<b>Barium</b>	<b>0.013</b>		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:33	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:33	1
<b>Calcium</b>	<b>7.7</b>		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:23	1
<b>Chromium</b>	<b>0.0044</b>		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:33	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:33	1
<b>Nickel</b>	<b>0.0019</b>	<b>B</b>	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:33	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:33	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:33	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:33	1
<b>Vanadium</b>	<b>0.0026</b>		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:33	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>49</b>		10	10	mg/L			04/13/21 19:18	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.76</b>				SU			04/06/21 13:39	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-119766-4**

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>13</b>		1.0	0.71	mg/L			04/17/21 10:21	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 10:21	1
<b>Sulfate</b>	<b>160</b>		1.0	0.76	mg/L			04/17/21 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:36	1
<b>Barium</b>	<b>0.041</b>		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:26	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:36	1
<b>Boron</b>	<b>0.97</b>		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:36	1
<b>Calcium</b>	<b>19</b>		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:26	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:36	1
<b>Cobalt</b>	<b>0.0062</b>		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:36	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:36	1
<b>Nickel</b>	<b>0.0072</b>	<b>B</b>	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:36	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:36	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:36	1
<b>Zinc</b>	<b>0.014</b>		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>250</b>		10	10	mg/L			04/13/21 19:18	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.67</b>				SU			04/06/21 12:01	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: 180-119766-5**

**Date Collected: 04/06/21 09:15**

**Matrix: Water**

**Date Received: 04/08/21 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/17/21 10:03	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 10:03	1
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:38	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:38	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:38	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:38	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/13/21 19:18	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: MB 180-352845/29**  
**Matrix: Water**  
**Analysis Batch: 352845**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 22:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 22:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 22:36	1

**Lab Sample ID: LCS 180-352845/28**  
**Matrix: Water**  
**Analysis Batch: 352845**

**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	48.9		mg/L		98	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	47.8		mg/L		96	90 - 110

**Lab Sample ID: 180-119606-5 MS**  
**Matrix: Water**  
**Analysis Batch: 352845**

**Client Sample ID: GWC-52**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8.2		50.0	57.8		mg/L		99	90 - 110
Fluoride	0.050	J	2.50	2.34		mg/L		91	90 - 110
Sulfate	57	F1	50.0	102	F1	mg/L		89	90 - 110

**Lab Sample ID: 180-119606-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 352845**

**Client Sample ID: GWC-52**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.2		50.0	58.2		mg/L		100	90 - 110	1	20
Fluoride	0.050	J	2.50	2.41		mg/L		95	90 - 110	3	20
Sulfate	57	F1	50.0	103		mg/L		92	90 - 110	1	20

**Lab Sample ID: MB 180-353150/21**  
**Matrix: Water**  
**Analysis Batch: 353150**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/15/21 14:23	1
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 14:23	1
Sulfate	<0.76		1.0	0.76	mg/L			04/15/21 14:23	1

**Lab Sample ID: MB 180-353150/6**  
**Matrix: Water**  
**Analysis Batch: 353150**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 09:55	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: LCS 180-353150/20**  
**Matrix: Water**  
**Analysis Batch: 353150**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	53.8		mg/L		108	90 - 110
Fluoride	2.50	2.49		mg/L		100	90 - 110
Sulfate	50.0	54.1		mg/L		108	90 - 110

**Lab Sample ID: LCS 180-353150/5**  
**Matrix: Water**  
**Analysis Batch: 353150**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.53		mg/L		101	90 - 110

**Lab Sample ID: 180-119473-C-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353150**

**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
Fluoride	0.078	J F1	2.50	2.28	F1	mg/L		88	90 - 110

**Lab Sample ID: 180-119473-C-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353150**

**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	Limit
Fluoride	0.078	J F1	2.50	2.36		mg/L		91	90 - 110	3	20

**Lab Sample ID: 180-119526-A-7 MS**  
**Matrix: Water**  
**Analysis Batch: 353150**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	36		50.0	84.4		mg/L		97	90 - 110
Fluoride	0.066	J	2.50	2.38		mg/L		92	90 - 110
Sulfate	58		50.0	105		mg/L		95	90 - 110

**Lab Sample ID: 180-119526-A-7 MSD**  
**Matrix: Water**  
**Analysis Batch: 353150**

**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	Limit
Chloride	36		50.0	82.2		mg/L		93	90 - 110	3	20
Fluoride	0.066	J	2.50	2.33		mg/L		91	90 - 110	2	20
Sulfate	58		50.0	103		mg/L		90	90 - 110	2	20

**Lab Sample ID: MB 180-353482/6**  
**Matrix: Water**  
**Analysis Batch: 353482**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/17/21 09:19	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 09:19	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: MB 180-353482/6**  
**Matrix: Water**  
**Analysis Batch: 353482**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 09:19	1

**Lab Sample ID: LCS 180-353482/5**  
**Matrix: Water**  
**Analysis Batch: 353482**

**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	49.5		mg/L		99	90 - 110
Fluoride	2.50	2.33		mg/L		93	90 - 110
Sulfate	50.0	49.2		mg/L		98	90 - 110

**Lab Sample ID: 180-119766-4 MS**  
**Matrix: Water**  
**Analysis Batch: 353482**

**Client Sample ID: GWC-53**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	13		50.0	63.1		mg/L		101	90 - 110
Fluoride	<0.026		2.50	2.36		mg/L		94	90 - 110
Sulfate	160		50.0	206	E	mg/L		96	90 - 110

**Lab Sample ID: 180-119766-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 353482**

**Client Sample ID: GWC-53**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13		50.0	62.9		mg/L		101	90 - 110	0	20
Fluoride	<0.026		2.50	2.35		mg/L		94	90 - 110	0	20
Sulfate	160		50.0	205	E	mg/L		94	90 - 110	0	20

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

**Lab Sample ID: MB 180-353250/1-A**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:09	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:09	1
Barium	<0.0016		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:09	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:09	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:09	1
Calcium	<0.13		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:09	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:09	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:09	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:09	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:09	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:09	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:09	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: MB 180-353250/1-A**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:09	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:09	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:09	1

**Lab Sample ID: LCS 180-353250/2-A**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.231		mg/L		92	80 - 120
Arsenic	1.00	0.992		mg/L		99	80 - 120
Barium	1.00	0.987		mg/L		99	80 - 120
Beryllium	0.500	0.469		mg/L		94	80 - 120
Boron	1.25	1.27		mg/L		102	80 - 120
Cadmium	0.500	0.493		mg/L		99	80 - 120
Calcium	25.0	28.1		mg/L		112	80 - 120
Chromium	0.500	0.495		mg/L		99	80 - 120
Cobalt	0.500	0.504		mg/L		101	80 - 120
Copper	0.500	0.481		mg/L		96	80 - 120
Lead	0.500	0.489		mg/L		98	80 - 120
Nickel	0.500	0.483		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.255		mg/L		102	80 - 120
Thallium	1.00	0.988		mg/L		99	80 - 120
Vanadium	0.500	0.492		mg/L		98	80 - 120
Zinc	0.250	0.262		mg/L		105	80 - 120

**Lab Sample ID: 180-119476-3 MS**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: GWA-45**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.234		mg/L		94	75 - 125
Arsenic	<0.00031		1.00	0.982		mg/L		98	75 - 125
Barium	0.11		1.00	1.10		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.481		mg/L		96	75 - 125
Boron	1.1		1.25	2.43		mg/L		109	75 - 125
Cadmium	<0.00022		0.500	0.494		mg/L		99	75 - 125
Calcium	29		25.0	55.9		mg/L		109	75 - 125
Chromium	<0.0015		0.500	0.489		mg/L		98	75 - 125
Cobalt	0.0020	J	0.500	0.503		mg/L		100	75 - 125
Copper	<0.00063		0.500	0.482		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.496		mg/L		99	75 - 125
Nickel	0.00077	J	0.500	0.474		mg/L		95	75 - 125
Selenium	<0.0015		1.00	0.982		mg/L		98	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.01		mg/L		101	75 - 125
Vanadium	0.0014		0.500	0.495		mg/L		99	75 - 125
Zinc	0.0058		0.250	0.265		mg/L		104	75 - 125

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: 180-119476-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: GWA-45**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.236		mg/L		94	75 - 125	1	20
Arsenic	<0.00031		1.00	0.961		mg/L		96	75 - 125	2	20
Barium	0.11		1.00	1.11		mg/L		100	75 - 125	1	20
Beryllium	<0.00018		0.500	0.483		mg/L		97	75 - 125	1	20
Boron	1.1		1.25	2.40		mg/L		106	75 - 125	1	20
Cadmium	<0.00022		0.500	0.496		mg/L		99	75 - 125	0	20
Calcium	29		25.0	57.5		mg/L		115	75 - 125	3	20
Chromium	<0.0015		0.500	0.486		mg/L		97	75 - 125	1	20
Cobalt	0.0020	J	0.500	0.491		mg/L		98	75 - 125	2	20
Copper	<0.00063		0.500	0.472		mg/L		94	75 - 125	2	20
Lead	<0.00013		0.500	0.486		mg/L		97	75 - 125	2	20
Nickel	0.00077	J	0.500	0.479		mg/L		96	75 - 125	1	20
Selenium	<0.0015		1.00	0.995		mg/L		100	75 - 125	1	20
Silver	<0.00018		0.250	0.247		mg/L		99	75 - 125	1	20
Thallium	<0.00015		1.00	0.979		mg/L		98	75 - 125	3	20
Vanadium	0.0014		0.500	0.496		mg/L		99	75 - 125	0	20
Zinc	0.0058		0.250	0.265		mg/L		104	75 - 125	0	20

**Lab Sample ID: MB 180-353680/1-A**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	04/21/21 17:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	04/21/21 17:05	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 13:46	04/21/21 17:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	04/21/21 17:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	04/21/21 17:05	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 13:46	04/21/21 17:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 13:46	04/21/21 17:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	04/21/21 17:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	04/21/21 17:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	04/21/21 17:05	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	04/21/21 17:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	04/21/21 17:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	04/21/21 17:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	04/21/21 17:05	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 13:46	04/21/21 17:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	04/21/21 17:05	1

**Lab Sample ID: MB 180-353680/1-A**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	04/22/21 11:25	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: LCS 180-353680/2-A**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.233		mg/L		93	80 - 120
Arsenic	1.00	1.02		mg/L		102	80 - 120
Barium	1.00	0.999		mg/L		100	80 - 120
Beryllium	0.500	0.479		mg/L		96	80 - 120
Cadmium	0.500	0.489		mg/L		98	80 - 120
Calcium	25.0	30.1		mg/L		120	80 - 120
Chromium	0.500	0.490		mg/L		98	80 - 120
Cobalt	0.500	0.493		mg/L		99	80 - 120
Copper	0.500	0.491		mg/L		98	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.483		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.246		mg/L		98	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	0.500	0.501		mg/L		100	80 - 120
Zinc	0.250	0.248		mg/L		99	80 - 120

**Lab Sample ID: LCS 180-353680/2-A**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.32		mg/L		106	80 - 120

**Lab Sample ID: 180-118908-C-4-B MS**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.237		mg/L		95	75 - 125
Arsenic	0.00056	J	1.00	1.03		mg/L		103	75 - 125
Barium	0.026		1.00	1.03		mg/L		101	75 - 125
Beryllium	<0.00018		0.500	0.482		mg/L		96	75 - 125
Cadmium	<0.00022		0.500	0.491		mg/L		98	75 - 125
Calcium	34		25.0	62.6		mg/L		116	75 - 125
Chromium	<0.0015		0.500	0.498		mg/L		100	75 - 125
Cobalt	<0.00013		0.500	0.496		mg/L		99	75 - 125
Copper	0.0016	J	0.500	0.500		mg/L		100	75 - 125
Lead	0.00042	J	0.500	0.494		mg/L		99	75 - 125
Nickel	0.00034	J	0.500	0.483		mg/L		97	75 - 125
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125
Silver	<0.00018		0.250	0.247		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125
Vanadium	0.0011		0.500	0.509		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.253		mg/L		101	75 - 125

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: 180-118908-C-4-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354110**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.240		mg/L		96	75 - 125	2	20
Arsenic	0.00056	J	1.00	1.06		mg/L		106	75 - 125	3	20
Barium	0.026		1.00	1.05		mg/L		102	75 - 125	1	20
Beryllium	<0.00018		0.500	0.486		mg/L		97	75 - 125	1	20
Cadmium	<0.00022		0.500	0.496		mg/L		99	75 - 125	1	20
Calcium	34		25.0	62.4		mg/L		115	75 - 125	0	20
Chromium	<0.0015		0.500	0.499		mg/L		100	75 - 125	0	20
Cobalt	<0.00013		0.500	0.506		mg/L		101	75 - 125	2	20
Copper	0.0016	J	0.500	0.507		mg/L		101	75 - 125	1	20
Lead	0.00042	J	0.500	0.499		mg/L		100	75 - 125	1	20
Nickel	0.00034	J	0.500	0.498		mg/L		100	75 - 125	3	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	1	20
Silver	<0.00018		0.250	0.254		mg/L		102	75 - 125	3	20
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125	0	20
Vanadium	0.0011		0.500	0.510		mg/L		102	75 - 125	0	20
Zinc	<0.0032		0.250	0.257		mg/L		103	75 - 125	2	20

**Lab Sample ID: MB 180-353689/1-A**  
**Matrix: Water**  
**Analysis Batch: 353926**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 19:17	1

**Lab Sample ID: LCS 180-353689/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limit
		Added	Result				Qualifier	
Antimony	0.250	0.243		mg/L		97	80 - 120	
Arsenic	1.00	1.08		mg/L		108	80 - 120	
Barium	1.00	1.05		mg/L		105	80 - 120	
Beryllium	0.500	0.535		mg/L		107	80 - 120	
Boron	1.25	1.16		mg/L		92	80 - 120	
Cadmium	0.500	0.517		mg/L		103	80 - 120	
Calcium	25.0	29.4		mg/L		118	80 - 120	
Chromium	0.500	0.524		mg/L		105	80 - 120	
Cobalt	0.500	0.546		mg/L		109	80 - 120	
Copper	0.500	0.538		mg/L		108	80 - 120	
Lead	0.500	0.529		mg/L		106	80 - 120	
Nickel	0.500	0.538		mg/L		108	80 - 120	
Selenium	1.00	1.08		mg/L		108	80 - 120	
Silver	0.250	0.258		mg/L		103	80 - 120	
Thallium	1.00	1.14		mg/L		114	80 - 120	
Vanadium	0.500	0.531		mg/L		106	80 - 120	
Zinc	0.250	0.268		mg/L		107	80 - 120	

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: MB 180-353694/1-A**  
**Matrix: Water**  
**Analysis Batch: 354450**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353694**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 16:18	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 16:18	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 16:18	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 16:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 16:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 16:18	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 16:18	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 16:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 16:18	1
Nickel	0.000675	J	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 16:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 16:18	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 16:18	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 16:18	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 16:18	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 16:18	1

**Lab Sample ID: MB 180-353694/1-A**  
**Matrix: Water**  
**Analysis Batch: 354643**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353694**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 14:40	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 14:40	1

**Lab Sample ID: LCS 180-353694/2-A**  
**Matrix: Water**  
**Analysis Batch: 354450**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353694**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.07		mg/L		107	80 - 120
Beryllium	0.500	0.531	^+	mg/L		106	80 - 120
Boron	1.25	1.22		mg/L		98	80 - 120
Cadmium	0.500	0.536		mg/L		107	80 - 120
Chromium	0.500	0.531		mg/L		106	80 - 120
Cobalt	0.500	0.527		mg/L		105	80 - 120
Copper	0.500	0.526		mg/L		105	80 - 120
Lead	0.500	0.524		mg/L		105	80 - 120
Nickel	0.500	0.522		mg/L		104	80 - 120
Selenium	1.00	1.10		mg/L		110	80 - 120
Silver	0.250	0.252		mg/L		101	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Vanadium	0.500	0.530		mg/L		106	80 - 120
Zinc	0.250	0.273		mg/L		109	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: LCS 180-353694/2-A**  
**Matrix: Water**  
**Analysis Batch: 354643**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353694**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Barium	1.00	1.05		mg/L		105	80 - 120
Calcium	25.0	28.6		mg/L		114	80 - 120

**Lab Sample ID: 180-118908-D-10-E MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	0.00079	J	1.00	1.06		mg/L		106	75 - 125
Barium	0.023		1.00	1.04		mg/L		102	75 - 125
Beryllium	<0.00018		0.500	0.516		mg/L		103	75 - 125
Boron	0.051	J	1.25	1.21		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125
Calcium	30		25.0	58.8		mg/L		115	75 - 125
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125
Cobalt	<0.00013		0.500	0.532		mg/L		106	75 - 125
Copper	0.0010	J	0.500	0.526		mg/L		105	75 - 125
Lead	0.00014	J	0.500	0.518		mg/L		103	75 - 125
Nickel	<0.00034		0.500	0.523		mg/L		105	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00022	J	1.00	1.11		mg/L		111	75 - 125
Vanadium	0.0017		0.500	0.517		mg/L		103	75 - 125

**Lab Sample ID: 180-118908-D-10-F MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.00038		0.250	0.239		mg/L		95	75 - 125	0	20
Arsenic	0.00079	J	1.00	1.05		mg/L		105	75 - 125	1	20
Barium	0.023		1.00	1.04		mg/L		102	75 - 125	0	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Boron	0.051	J	1.25	1.23		mg/L		94	75 - 125	2	20
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125	0	20
Calcium	30		25.0	58.3		mg/L		113	75 - 125	1	20
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125	0	20
Cobalt	<0.00013		0.500	0.528		mg/L		106	75 - 125	1	20
Copper	0.0010	J	0.500	0.522		mg/L		104	75 - 125	1	20
Lead	0.00014	J	0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	<0.00034		0.500	0.519		mg/L		104	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	0	20
Silver	<0.00018		0.250	0.250		mg/L		100	75 - 125	1	20
Thallium	0.00022	J	1.00	1.10		mg/L		110	75 - 125	1	20
Vanadium	0.0017		0.500	0.518		mg/L		103	75 - 125	0	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: 180-119011-D-10-B MS**  
**Matrix: Water**  
**Analysis Batch: 354450**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 353694**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	0.00043	J	0.250	0.251		mg/L		100	75 - 125
Arsenic	0.0020		1.00	0.995		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.506		mg/L		101	75 - 125
Boron	0.36		1.25	1.61		mg/L		100	75 - 125
Cadmium	<0.00022		0.500	0.499		mg/L		100	75 - 125
Chromium	<0.0015		0.500	0.509		mg/L		102	75 - 125
Cobalt	<0.00013		0.500	0.549		mg/L		110	75 - 125
Copper	<0.00063		0.500	0.531		mg/L		106	75 - 125
Lead	<0.00013		0.500	0.521		mg/L		104	75 - 125
Nickel	0.00074	J B	0.500	0.530		mg/L		106	75 - 125
Selenium	<0.0015		1.00	0.969		mg/L		97	75 - 125
Silver	<0.00018		0.250	0.243		mg/L		97	75 - 125
Thallium	<0.00015		1.00	1.06		mg/L		106	75 - 125
Vanadium	0.0019		0.500	0.519		mg/L		103	75 - 125
Zinc	0.0035	J	0.250	0.254		mg/L		100	75 - 125

**Lab Sample ID: 180-119011-D-10-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354450**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 353694**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	0.00043	J	0.250	0.252		mg/L		101	75 - 125	0	20
Arsenic	0.0020		1.00	0.992		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.512		mg/L		102	75 - 125	1	20
Boron	0.36		1.25	1.57		mg/L		96	75 - 125	3	20
Cadmium	<0.00022		0.500	0.498		mg/L		100	75 - 125	0	20
Chromium	<0.0015		0.500	0.519		mg/L		104	75 - 125	2	20
Cobalt	<0.00013		0.500	0.562		mg/L		112	75 - 125	2	20
Copper	<0.00063		0.500	0.535		mg/L		107	75 - 125	1	20
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125	2	20
Nickel	0.00074	J B	0.500	0.536		mg/L		107	75 - 125	1	20
Selenium	<0.0015		1.00	0.930		mg/L		93	75 - 125	4	20
Silver	<0.00018		0.250	0.238		mg/L		95	75 - 125	2	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	2	20
Vanadium	0.0019		0.500	0.518		mg/L		103	75 - 125	0	20
Zinc	0.0035	J	0.250	0.267		mg/L		105	75 - 125	5	20

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

**Lab Sample ID: MB 180-353602/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:10	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: LCS 180-353602/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00291		mg/L		116	80 - 120

**Lab Sample ID: 180-119475-B-8-C MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013	F1	0.00100	0.000382	F1	mg/L		38	75 - 125

**Lab Sample ID: 180-119475-B-8-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	<0.00013	F1	0.00100	0.000404	F1	mg/L		40	75 - 125	6	20

**Lab Sample ID: MB 180-353607/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353607**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:31	1

**Lab Sample ID: LCS 180-353607/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353607**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

**Lab Sample ID: 460-231773-C-7-C MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353607**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00120		mg/L		120	75 - 125

**Lab Sample ID: 460-231773-C-7-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353607**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00112		mg/L		112	75 - 125	7	20

**Lab Sample ID: MB 180-353839/1-A**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:04	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

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

**Lab Sample ID: LCS 180-353839/2-A**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**  
**%Rec.**

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

**Lab Sample ID: 180-119649-M-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**  
**%Rec.**

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

**Lab Sample ID: 180-119649-M-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125	1	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-352625/2**  
**Matrix: Water**  
**Analysis Batch: 352625**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:01	1

**Lab Sample ID: LCS 180-352625/1**  
**Matrix: Water**  
**Analysis Batch: 352625**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	486	462		mg/L		95	80 - 120

**Lab Sample ID: 180-119508-A-9 DU**  
**Matrix: Water**  
**Analysis Batch: 352625**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	700		674		mg/L		4	10

**Lab Sample ID: MB 180-352626/2**  
**Matrix: Water**  
**Analysis Batch: 352626**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:05	1



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LCS 180-352626/1**  
**Matrix: Water**  
**Analysis Batch: 352626**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	490		mg/L		101	80 - 120

**Lab Sample ID: 180-119465-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 352626**

**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	150		145		mg/L		0.7	10

**Lab Sample ID: MB 180-352627/2**  
**Matrix: Water**  
**Analysis Batch: 352627**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:09	1

**Lab Sample ID: LCS 180-352627/1**  
**Matrix: Water**  
**Analysis Batch: 352627**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	444		mg/L		91	80 - 120

**Lab Sample ID: 180-119606-4 DU**  
**Matrix: Water**  
**Analysis Batch: 352627**

**Client Sample ID: GWC-51**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	66		64.0		mg/L		3	10

**Lab Sample ID: MB 180-352947/2**  
**Matrix: Water**  
**Analysis Batch: 352947**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/13/21 19:18	1

**Lab Sample ID: LCS 180-352947/1**  
**Matrix: Water**  
**Analysis Batch: 352947**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	457	432		mg/L		95	80 - 120

**Lab Sample ID: 180-119766-4 DU**  
**Matrix: Water**  
**Analysis Batch: 352947**

**Client Sample ID: GWC-53**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	250		270		mg/L		9	10

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## HPLC/IC

### Analysis Batch: 352845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	EPA 300.0 R2.1	
180-119606-2	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-119606-3	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-119606-4	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
180-119606-5	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
180-119606-6	DUP-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
180-119606-7	FB-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352845/29	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352845/28	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119606-5 MS	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
180-119606-5 MSD	GWC-52	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	EPA 300.0 R2.1	
180-119476-2	GWA-22	Total/NA	Water	EPA 300.0 R2.1	
180-119476-3	GWA-45	Total/NA	Water	EPA 300.0 R2.1	
180-119606-2	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-119606-3	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-119606-4	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
180-119606-6	DUP-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353150/21	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353150/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353150/20	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353150/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	
180-119526-A-7 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119526-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	EPA 300.0 R2.1	
180-119766-2	GWC-29	Total/NA	Water	EPA 300.0 R2.1	
180-119766-3	GWC-50	Total/NA	Water	EPA 300.0 R2.1	
180-119766-4	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-119766-5	EB-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353482/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353482/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119766-4 MS	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-119766-4 MSD	GWC-53	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 353250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total Recoverable	Water	3005A	
180-119476-2	GWA-22	Total Recoverable	Water	3005A	
180-119476-3	GWA-45	Total Recoverable	Water	3005A	
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Metals (Continued)

### Prep Batch: 353250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-3 MS	GWA-45	Total Recoverable	Water	3005A	
180-119476-3 MSD	GWA-45	Total Recoverable	Water	3005A	

### Analysis Batch: 353496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total Recoverable	Water	EPA 6020B	353250
180-119476-2	GWA-22	Total Recoverable	Water	EPA 6020B	353250
180-119476-3	GWA-45	Total Recoverable	Water	EPA 6020B	353250
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353250
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353250
180-119476-3 MS	GWA-45	Total Recoverable	Water	EPA 6020B	353250
180-119476-3 MSD	GWA-45	Total Recoverable	Water	EPA 6020B	353250

### Prep Batch: 353602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	7470A	
180-119476-2	GWA-22	Total/NA	Water	7470A	
180-119476-3	GWA-45	Total/NA	Water	7470A	
MB 180-353602/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119475-B-8-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119475-B-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 353607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	7470A	
180-119606-2	GWA-47	Total/NA	Water	7470A	
180-119606-3	GWA-48	Total/NA	Water	7470A	
180-119606-4	GWC-51	Total/NA	Water	7470A	
180-119606-5	GWC-52	Total/NA	Water	7470A	
180-119606-6	DUP-1 (PA)	Total/NA	Water	7470A	
180-119606-7	FB-1 (PA)	Total/NA	Water	7470A	
MB 180-353607/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353607/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-231773-C-7-C MS	Matrix Spike	Total/NA	Water	7470A	
460-231773-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	3005A	
180-119606-2	GWA-47	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	3005A	
180-119606-4	GWC-51	Total Recoverable	Water	3005A	
180-119606-5	GWC-52	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Metals (Continued)

### Prep Batch: 353689 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	3005A	
180-119606-7	FB-1 (PA)	Total Recoverable	Water	3005A	
180-119766-1	GWA-49	Total Recoverable	Water	3005A	
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	3005A	
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

### Prep Batch: 353694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total Recoverable	Water	3005A	
180-119766-3	GWC-50	Total Recoverable	Water	3005A	
180-119766-4	GWC-53	Total Recoverable	Water	3005A	
180-119766-5	EB-1 (PA)	Total Recoverable	Water	3005A	
MB 180-353694/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353694/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119011-D-10-B MS	Matrix Spike	Dissolved	Water	3005A	
180-119011-D-10-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

### Prep Batch: 353839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	7470A	
180-119766-2	GWC-29	Total/NA	Water	7470A	
180-119766-3	GWC-50	Total/NA	Water	7470A	
180-119766-4	GWC-53	Total/NA	Water	7470A	
180-119766-5	EB-1 (PA)	Total/NA	Water	7470A	
MB 180-353839/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 353846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	EPA 7470A	353602
180-119476-2	GWA-22	Total/NA	Water	EPA 7470A	353602
180-119476-3	GWA-45	Total/NA	Water	EPA 7470A	353602
180-119606-1	GWA-46	Total/NA	Water	EPA 7470A	353607
180-119606-2	GWA-47	Total/NA	Water	EPA 7470A	353607
180-119606-3	GWA-48	Total/NA	Water	EPA 7470A	353607
180-119606-4	GWC-51	Total/NA	Water	EPA 7470A	353607
180-119606-5	GWC-52	Total/NA	Water	EPA 7470A	353607
180-119606-6	DUP-1 (PA)	Total/NA	Water	EPA 7470A	353607
180-119606-7	FB-1 (PA)	Total/NA	Water	EPA 7470A	353607
MB 180-353602/1-A	Method Blank	Total/NA	Water	EPA 7470A	353602
MB 180-353607/1-A	Method Blank	Total/NA	Water	EPA 7470A	353607
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353602
LCS 180-353607/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353607
180-119475-B-8-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353602
180-119475-B-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353602
460-231773-C-7-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353607
460-231773-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353607

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Metals

### Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	EPA 6020B	353689
180-119606-4	GWC-51	Total Recoverable	Water	EPA 6020B	353689
180-119606-5	GWC-52	Total Recoverable	Water	EPA 6020B	353689
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119606-7	FB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119766-1	GWA-49	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	EPA 6020B	353689
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353689

### Analysis Batch: 353926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	EPA 6020B	353689
180-119606-4	GWC-51	Total Recoverable	Water	EPA 6020B	353689
180-119606-5	GWC-52	Total Recoverable	Water	EPA 6020B	353689
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119606-7	FB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119766-1	GWA-49	Total Recoverable	Water	EPA 6020B	353689
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689

### Analysis Batch: 354045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	EPA 7470A	353839
180-119766-2	GWC-29	Total/NA	Water	EPA 7470A	353839
180-119766-3	GWC-50	Total/NA	Water	EPA 7470A	353839
180-119766-4	GWC-53	Total/NA	Water	EPA 7470A	353839
180-119766-5	EB-1 (PA)	Total/NA	Water	EPA 7470A	353839
MB 180-353839/1-A	Method Blank	Total/NA	Water	EPA 7470A	353839
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353839

### Analysis Batch: 354110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	EPA 6020B	353680
180-119606-2	GWA-47	Total Recoverable	Water	EPA 6020B	353680
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353680

### Analysis Batch: 354281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	EPA 6020B	353680
180-119606-2	GWA-47	Total Recoverable	Water	EPA 6020B	353680
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## Metals

### Analysis Batch: 354450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total Recoverable	Water	EPA 6020B	353694
180-119766-3	GWC-50	Total Recoverable	Water	EPA 6020B	353694
180-119766-4	GWC-53	Total Recoverable	Water	EPA 6020B	353694
180-119766-5	EB-1 (PA)	Total Recoverable	Water	EPA 6020B	353694
MB 180-353694/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353694
LCS 180-353694/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353694
180-119011-D-10-B MS	Matrix Spike	Dissolved	Water	EPA 6020B	353694
180-119011-D-10-C MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353694

### Analysis Batch: 354643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total Recoverable	Water	EPA 6020B	353694
180-119766-3	GWC-50	Total Recoverable	Water	EPA 6020B	353694
180-119766-4	GWC-53	Total Recoverable	Water	EPA 6020B	353694
180-119766-5	EB-1 (PA)	Total Recoverable	Water	EPA 6020B	353694
MB 180-353694/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353694
LCS 180-353694/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353694

## General Chemistry

### Analysis Batch: 352625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	SM 2540C	
180-119606-2	GWA-47	Total/NA	Water	SM 2540C	
180-119606-3	GWA-48	Total/NA	Water	SM 2540C	
MB 180-352625/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352625/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119508-A-9 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	SM 2540C	
180-119476-2	GWA-22	Total/NA	Water	SM 2540C	
180-119476-3	GWA-45	Total/NA	Water	SM 2540C	
MB 180-352626/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352626/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119465-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-4	GWC-51	Total/NA	Water	SM 2540C	
180-119606-5	GWC-52	Total/NA	Water	SM 2540C	
180-119606-6	DUP-1 (PA)	Total/NA	Water	SM 2540C	
180-119606-7	FB-1 (PA)	Total/NA	Water	SM 2540C	
MB 180-352627/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352627/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119606-4 DU	GWC-51	Total/NA	Water	SM 2540C	

### Analysis Batch: 352947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-119476-1

## General Chemistry (Continued)

### Analysis Batch: 352947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total/NA	Water	SM 2540C	
180-119766-3	GWC-50	Total/NA	Water	SM 2540C	
180-119766-4	GWC-53	Total/NA	Water	SM 2540C	
180-119766-5	EB-1 (PA)	Total/NA	Water	SM 2540C	
MB 180-352947/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352947/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119766-4 DU	GWC-53	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	Field Sampling	
180-119476-2	GWA-22	Total/NA	Water	Field Sampling	
180-119476-3	GWA-45	Total/NA	Water	Field Sampling	

### Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	Field Sampling	
180-119606-2	GWA-47	Total/NA	Water	Field Sampling	
180-119606-3	GWA-48	Total/NA	Water	Field Sampling	
180-119606-4	GWC-51	Total/NA	Water	Field Sampling	
180-119606-5	GWC-52	Total/NA	Water	Field Sampling	
180-119766-1	GWA-49	Total/NA	Water	Field Sampling	
180-119766-2	GWC-29	Total/NA	Water	Field Sampling	
180-119766-3	GWC-50	Total/NA	Water	Field Sampling	
180-119766-4	GWC-53	Total/NA	Water	Field Sampling	



<b>Regulatory Program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		<b>Project Manager:</b> Dawn Prell Tel/Fax: 248-536-5445		<b>Site Contact:</b> Dawn Prell Lab Contact: Shall Brown		<b>Date:</b> 4.2.2021 Carrier:		<b>COC No.:</b> _____ of _____ COCs			
<b>Client Contact</b> Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com <b>Project Name:</b> CCR - Plant Scherer PAC Ash Cell Site: Georgia P O # 18019884		<b>Analysis Turnaround Time</b> <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: 3-5 days _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		<b>Filtered Sample (Y / N)</b> Ag, TI, Vn, Zn Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se Cl, Ti, SO4, TDS		<b>Perform MS / MSD (Y / N)</b> 6020, 7470A: As, Ba, B, Be, Ca,		<b>Sampler:</b> For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:		Sample Specific Notes: pH= 6.06 pH= 6.03 pH= 5.92	
<b>Sample Identification</b> GWA-21 GWA-22 GWA-45		<b>Sample Date</b> 4/2/2021 4/2/2021 4/2/2021		<b>Sample Time</b> 11:19 12:07 11:30		<b>Sample Type (C=Comp, G=Grab)</b> G G G		<b>Matrix</b> GW GW GW		<b># of Cont.</b> 4 4 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. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown											
<b>Special Instructions/QC Requirements &amp; Comments:</b> Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months											
<b>Custody Seals Intact:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Custody Seal No.:</b>		<b>Cooler Temp. (°C):</b> Obs'd:		<b>Corrd:</b>		<b>Therm ID No.:</b>		Relinquished by:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	





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

# Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

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

Site Contact: Dawn Prell  
Lab Contact: Shari Brown

Date: 4.5.2021  
Carrier:

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sampler: \_\_\_\_\_

For Lab Use Only:  
Walk-in Client: \_\_\_\_\_  
Lab Sampling: \_\_\_\_\_

Job / SDG No.: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Se, Ag, TI, Vn, Zn Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, 6020, 7470A: As, Ba, B, Be, Ca,Cl, T, SO4, TDS	Sample Specific Notes:
						CALENDAR DAYS	WORKING DAYS				
GWA-46	4/5/2021	14:15	G	GW	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>				pH= 5.92
GWA-47	4/5/2021	16:32	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 6.59
GWA-48	4/5/2021	14:02	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 6.78
GWC-51	4/5/2021	16:04	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 5.99
GWC-52	4/5/2021	15:01	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 6.68
DUP-1 (PA)	4/5/2021	-----	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				
FB-1 (PA)	4/5/2021	16:04	G	W	4	<input type="checkbox"/>	<input type="checkbox"/>				



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

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

Non-Hazard  Flammable  Poison B  Unknown

**Special Instructions/QC Requirements & Comments:**

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

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

Relinquished by: *Alan 2/20* Company: *Golda* Date/Time: *4-5-21 0800*

Relinquished by: *ETA* Company: *ETA* Date/Time: *4/5/21 16:00*

Relinquished by: *[Signature]* Company: *ETA* Date/Time: *4-7-21 930*

Received by: *[Signature]* Company: *Carrier New York* Date/Time: *4/6/21 18:07*

Received by: *[Signature]* Company: *ETA* Date/Time: *4/5/21 16:00*

Received in Laboratory by: *[Signature]* Company: *ETA* Date/Time: *4-7-21 930*



**TestAmerica Pittsburgh**

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

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

**Client Contact**  
 Jolu Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
**Project Name:** CCR - Plant Scherer PAC Ash Cell  
 Site: Georgia  
 P O #

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

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below: 3-5 days \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact:** Dawn Prell  
**Lab Contact:** Shaili Brown

**Date:** 4.6.2021  
**Carrier:**

**COC No.:** 1 of 1 COCs

**Sampler:**  
**For Lab Use Only:**  
 Walk-in Client: \_\_\_\_\_  
 Lab Sampling: \_\_\_\_\_  
 Job / SDG No.: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y / N)	6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Ti, Vn, Zn	C, F, SO4, TDS	Sample Specific Notes:
GWA-49	4/6/2021	10:10	G	GW	4			X	X	pH= 6.87
GWC-29	4/6/2021	13:50	G	GW	4			X	X	pH= 6.30
GWC-50	4/6/2021	13:39	G	GW	4			X	X	pH= 5.76
GWC-53	4/6/2021	12:01	G	GW	4			X	X	pH= 5.67
EB-1 (PA)	4/6/2021	09:15	G	W	4			X	X	



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

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

Non-Hazard  Flammable  Poison B  Unknown

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

**Special Instructions/QC Requirements & Comments:**

<b>Custody Seals Intact:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Custody Seal No.:</b>	<b>Cooler Temp. (°C):</b> Obs'd: _____	<b>Therm ID No.:</b>
Relinquished by: <i>John Zile</i>	Company: <i>Golder</i>	Received by: <i>Blaine Cook</i>	Company: <i>Courier New</i>
Relinquished by: <i>Seay Jay</i>	Company: <i>ETA</i>	Received by: <i>ETA</i>	Company: <i>ETA</i>
Relinquished by: _____	Company: _____	Received in Laboratory by: <i>Shaili Brown</i>	Company: <i>ETA</i>
		Date/Time: <i>4/12/21</i>	Date/Time: <i>4/12/21</i>
		Date/Time: <i>4/12/21</i>	Date/Time: <i>4/12/21</i>

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119476-1

**Login Number: 119476**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	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: 180-119476-1

**Login Number: 119606**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119476-1

**Login Number: 119766**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119477-1

Client Project/Site: Plant Scherer PAC Ash Cell Major Ions

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
4/26/2021 10:26:10 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:

[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	11
QC Sample Results . . . . .	19
QC Association Summary . . . . .	22
Chain of Custody . . . . .	24
Receipt Checklists . . . . .	26

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Job ID: 180-119477-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative  
180-119477-1**

### Comments

No additional comments.

### Receipt

The samples were received on 4/3/2021 10:45 AM and 4/8/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.9° C, 2.9° C, 3.6° C, 3.7° C, 3.8° C and 3.8° C.

### Receipt Exceptions

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-21 (180-119477-1). The container labels list a sample collection time of 12:07, while the COC lists 11:19. The time on the COC was used.

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-22 (180-119477-2). The container labels list a sample collection time of 11:19 while the COC lists 12:07. The time on the COC was used.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. There is no relinquished by time listed on the COC's.

### Metals

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

### Field Service / Mobile Lab

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

### General Chemistry

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



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119477-1	GWA-21	Water	04/02/21 11:19	04/03/21 10:45	
180-119477-2	GWA-22	Water	04/02/21 12:07	04/03/21 10:45	
180-119477-3	GWA-45	Water	04/02/21 11:30	04/03/21 10:45	
180-119764-1	GWA-49	Water	04/06/21 10:10	04/08/21 09:30	
180-119764-2	GWC-29	Water	04/06/21 13:50	04/08/21 09:30	
180-119764-3	GWC-50	Water	04/06/21 13:39	04/08/21 09:30	
180-119764-4	GWC-53	Water	04/06/21 12:01	04/08/21 09:30	
180-119764-5	EB-1 (PA)	Water	04/06/21 09:15	04/08/21 09:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
SM2320 B	Alkalinity, Total	SM18	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWA-21**  
**Date Collected: 04/02/21 11:19**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119477-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 12:59	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353175	04/15/21 01:46	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/02/21 11:19	FDS	TAL PIT

**Client Sample ID: GWA-22**  
**Date Collected: 04/02/21 12:07**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119477-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 13:13	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353175	04/15/21 01:54	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/02/21 12:07	FDS	TAL PIT

**Client Sample ID: GWA-45**  
**Date Collected: 04/02/21 11:30**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119477-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 13:16	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353175	04/15/21 02:03	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/02/21 11:30	FDS	TAL PIT

**Client Sample ID: GWA-49**  
**Date Collected: 04/06/21 10:10**  
**Date Received: 04/08/21 09:30**

**Lab Sample ID: 180-119764-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 15:38	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353358	04/15/21 17:28	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/06/21 10:10	FDS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

## Client Sample ID: GWC-29

## Lab Sample ID: 180-119764-2

Date Collected: 04/06/21 13:50

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 15:42	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:37	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:50	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-50

## Lab Sample ID: 180-119764-3

Date Collected: 04/06/21 13:39

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 15:53	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 18:04	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:39	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-53

## Lab Sample ID: 180-119764-4

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 15:56	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 18:13	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 12:01	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: EB-1 (PA)

## Lab Sample ID: 180-119764-5

Date Collected: 04/06/21 09:15

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 16:00	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 18:21	REI	TAL PIT
Instrument ID: PCTITRATOR										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

## Laboratory References:

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

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

TJO = Tyler Oliver

Batch Type: Analysis

FDS = Sampler Field

REI = Rachel Innocenzi

RSK = Robert Kurtz

1

2

3

4

5

6

7

8

9

10

11

12

13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWA-21**  
 Date Collected: 04/02/21 11:19  
 Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119477-1**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.4		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 12:59	1
Potassium	0.63		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 12:59	1
Sodium	8.2		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 12:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	50		5.0	5.0	mg/L			04/15/21 01:46	1
Bicarbonate Alkalinity as CaCO3	50		5.0	5.0	mg/L			04/15/21 01:46	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:46	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.06				SU			04/02/21 11:19	1





# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWA-22**

**Lab Sample ID: 180-119477-2**

Date Collected: 04/02/21 12:07

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.7		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:13	1
Potassium	0.82		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:13	1
Sodium	5.2		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	52		5.0	5.0	mg/L			04/15/21 01:54	1
Bicarbonate Alkalinity as CaCO3	52		5.0	5.0	mg/L			04/15/21 01:54	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:54	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.03				SU			04/02/21 12:07	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-119477-3**

Date Collected: 04/02/21 11:30

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	13		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:16	1
Potassium	2.5		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:16	1
Sodium	48		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	20		5.0	5.0	mg/L			04/15/21 02:03	1
Bicarbonate Alkalinity as CaCO3	20		5.0	5.0	mg/L			04/15/21 02:03	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 02:03	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			04/02/21 11:30	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWA-49**

**Lab Sample ID: 180-119764-1**

Date Collected: 04/06/21 10:10

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.80		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:38	1
Magnesium	7.8		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:38	1
Sodium	6.1		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	70		5.0	5.0	mg/L			04/15/21 17:28	1
Bicarbonate Alkalinity as CaCO3	70		5.0	5.0	mg/L			04/15/21 17:28	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:28	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.87				SU			04/06/21 10:10	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWC-29**

**Lab Sample ID: 180-119764-2**

Date Collected: 04/06/21 13:50

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.66		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:42	1
Magnesium	10		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:42	1
Sodium	6.1		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	87		5.0	5.0	mg/L			04/15/21 17:37	1
Bicarbonate Alkalinity as CaCO3	87		5.0	5.0	mg/L			04/15/21 17:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:37	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.30				SU			04/06/21 13:50	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWC-50**

**Lab Sample ID: 180-119764-3**

Date Collected: 04/06/21 13:39

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.54		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:53	1
Magnesium	3.6		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:53	1
Sodium	5.1		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	44		5.0	5.0	mg/L			04/15/21 18:04	1
Bicarbonate Alkalinity as CaCO3	44		5.0	5.0	mg/L			04/15/21 18:04	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:04	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.76				SU			04/06/21 13:39	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-119764-4**

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.4		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:56	1
Magnesium	11		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:56	1
Sodium	53		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	9.1		5.0	5.0	mg/L			04/15/21 18:13	1
Bicarbonate Alkalinity as CaCO3	9.1		5.0	5.0	mg/L			04/15/21 18:13	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:13	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.67				SU			04/06/21 12:01	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

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

**Lab Sample ID: 180-119764-5**

**Date Collected: 04/06/21 09:15**

**Matrix: Water**

**Date Received: 04/08/21 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 16:00	1
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 16:00	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 16:00	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 18:21	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:21	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:21	1

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

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

**Lab Sample ID: MB 180-353250/1-A**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 12:09	1
Magnesium	<0.083		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 12:09	1
Sodium	<0.35		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 12:09	1

**Lab Sample ID: LCS 180-353250/2-A**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	25.4		mg/L		102	80 - 120
Sodium	25.0	25.6		mg/L		103	80 - 120

**Lab Sample ID: 180-119476-B-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	13		25.0	37.5		mg/L		99	75 - 125
Sodium	47		25.0	71.8		mg/L		98	75 - 125

**Lab Sample ID: 180-119476-B-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Magnesium	13		25.0	38.0		mg/L		101	75 - 125	1	20
Sodium	47		25.0	73.0		mg/L		103	75 - 125	2	20

**Lab Sample ID: LCS 180-353689/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	26.4		mg/L		106	80 - 120
Sodium	25.0	26.7		mg/L		107	80 - 120

**Lab Sample ID: 180-118908-D-10-E MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	6.6		25.0	32.0		mg/L		101	75 - 125
Sodium	48		25.0	69.2		mg/L		85	75 - 125



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

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

**Lab Sample ID: 180-118908-D-10-F MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Potassium	3.3		25.0	30.5		mg/L		109	75 - 125	1	20
Magnesium	6.6		25.0	31.9		mg/L		101	75 - 125	0	20
Sodium	48		25.0	69.7		mg/L		87	75 - 125	1	20

## Method: SM2320 B - Alkalinity, Total

**Lab Sample ID: MB 180-353175/60**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1

**Lab Sample ID: LCS 180-353175/59**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Total Alkalinity as CaCO3 to pH 4.5	250	228		mg/L		91	90 - 110

**Lab Sample ID: LLCS 180-353175/58**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LLCS	LLCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	21.3		mg/L		107	90 - 110

**Lab Sample ID: 180-119471-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 353175**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	120		115		mg/L		3	20
Bicarbonate Alkalinity as CaCO3	120		115		mg/L		3	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: MB 180-353358/73**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

## Method: SM2320 B - Alkalinity, Total (Continued)

**Lab Sample ID: LCS 180-353358/72**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	245		mg/L		98	90 - 110

**Lab Sample ID: LLCS 180-353358/71**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	20.3		mg/L		102	90 - 110

**Lab Sample ID: 180-119508-B-10 DU**  
**Matrix: Water**  
**Analysis Batch: 353358**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	95		90.7		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	95		90.7		mg/L		4	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

## Metals

### Prep Batch: 353250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total Recoverable	Water	3005A	
180-119477-2	GWA-22	Total Recoverable	Water	3005A	
180-119477-3	GWA-45	Total Recoverable	Water	3005A	
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119476-B-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119476-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 353496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total Recoverable	Water	EPA 6020B	353250
180-119477-2	GWA-22	Total Recoverable	Water	EPA 6020B	353250
180-119477-3	GWA-45	Total Recoverable	Water	EPA 6020B	353250
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353250
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353250
180-119476-B-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353250
180-119476-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353250

### Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total Recoverable	Water	3005A	
180-119764-2	GWC-29	Total Recoverable	Water	3005A	
180-119764-3	GWC-50	Total Recoverable	Water	3005A	
180-119764-4	GWC-53	Total Recoverable	Water	3005A	
180-119764-5	EB-1 (PA)	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	3005A	
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

### Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total Recoverable	Water	EPA 6020B	353689
180-119764-2	GWC-29	Total Recoverable	Water	EPA 6020B	353689
180-119764-3	GWC-50	Total Recoverable	Water	EPA 6020B	353689
180-119764-4	GWC-53	Total Recoverable	Water	EPA 6020B	353689
180-119764-5	EB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	EPA 6020B	353689
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353689

## General Chemistry

### Analysis Batch: 353175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total/NA	Water	SM2320 B	
180-119477-2	GWA-22	Total/NA	Water	SM2320 B	
180-119477-3	GWA-45	Total/NA	Water	SM2320 B	
MB 180-353175/60	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353175/59	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353175/58	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119471-B-1 DU	Duplicate	Total/NA	Water	SM2320 B	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119477-1

## General Chemistry

### Analysis Batch: 353358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total/NA	Water	SM2320 B	
180-119764-2	GWC-29	Total/NA	Water	SM2320 B	
180-119764-3	GWC-50	Total/NA	Water	SM2320 B	
180-119764-4	GWC-53	Total/NA	Water	SM2320 B	
180-119764-5	EB-1 (PA)	Total/NA	Water	SM2320 B	
MB 180-353358/73	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353358/72	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353358/71	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119508-B-10 DU	Duplicate	Total/NA	Water	SM2320 B	

## Field Service / Mobile Lab

### Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total/NA	Water	Field Sampling	
180-119477-2	GWA-22	Total/NA	Water	Field Sampling	
180-119477-3	GWA-45	Total/NA	Water	Field Sampling	

### Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total/NA	Water	Field Sampling	
180-119764-2	GWC-29	Total/NA	Water	Field Sampling	
180-119764-3	GWC-50	Total/NA	Water	Field Sampling	
180-119764-4	GWC-53	Total/NA	Water	Field Sampling	

**Chain of Custody Record**

TestAmerica Laboratories, Inc.

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

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

**Site Contact: Dawn Prell**  
 Lab Contact: Shali Brown  
 Carrier: \_\_\_\_\_

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below: 3-5 days \_\_\_\_\_  
 2 weeks   
 1 week   
 2 days   
 1 day

**Client Contact**  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - PAC Ash Cell Major Ions  
 Site: Georgia  
 P O # 18019884

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Bicarbonate/carbonate Alkalinity			Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Other
						X	X	X			
GWA-21	4/2/2021	11:19	G	GW	4	X	X	X			
GWA-22	4/2/2021	12:07	G	GW	4	X	X	X			
GWA-45	4/2/2021	11:30	G	GW	4	X	X	X			



180-119477 Chain of Custody

**Sample Specific Notes:**  
 pH= 6.06  
 pH= 6.03  
 pH= 5.92

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

**Special Instructions/QC Requirements & Comments:**

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Shali Brown	Southern Co	4/2/21	Shali Brown	Southern Co	4/2/21						
Shali Brown	Southern Co	4/2/21	Shali Brown	Southern Co	4/2/21						
Shali Brown	Southern Co	4/2/21	Shali Brown	Southern Co	4/2/21						



**TestAmerica Pittsburgh**

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

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

COC No: 1 of 1 COCs

Date: 4.6.2021

Carrier:

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

Client Contact  
 Joju Abraham  
 Southern Company

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below: 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day

241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - Plant Scherer PAC Ash Cell Major Ions  
 Site: Georgia  
 P O #

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
						Y	N	Y	N			
GWA-49	4/6/2021	10:10	G	GW	4			X		X		pH= 6.87
GWC-29	4/6/2021	13:50	G	GW	4			X		X		pH= 6.30
GWC-50	4/6/2021	13:39	G	GW	4			X		X		pH= 5.76
GWC-53	4/6/2021	12:01	G	GW	4			X		X		pH= 5.67
EB-1 (PA)	4/6/2021	09:15	G	W	4			X		X		



180-119764 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  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for: \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:

Cooler Temp. (°C): Obs'd: \_\_\_\_\_ Corrd: \_\_\_\_\_ Therm ID No.: \_\_\_\_\_  
 Relinquished by: *Ben Zee* Company: *Golder* Date/Time: *4-7-2021 10:00*  
 Relinquished by: *Ray Jay* Company: *ETA* Date/Time: *4/7/21 10:00*  
 Relinquished by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: *Flaine Cook* Company: *Courier Now* Date/Time: *4/7/21 8:05*  
 Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received in Laboratory by: \_\_\_\_\_ Date/Time: *4-8-21 9:30*



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119477-1

**Login Number: 119477**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119477-1

**Login Number: 119764**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119606-2

Client Project/Site: Plant Scherer PAC Ash Cell Major Ions  
Sampling Event: PAC ASH

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
6/7/2021 8:16:54 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:

[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	10
QC Sample Results . . . . .	17
QC Association Summary . . . . .	18
Chain of Custody . . . . .	19
Receipt Checklists . . . . .	23

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

---

**Job ID: 180-119606-2**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

---

**Narrative**

**Job Narrative  
180-119606-2**

**Comments**

No additional comments.

**Receipt**

The samples were received on 4/7/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 3.4° C.

**Metals**

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



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

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



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119606-1	GWA-46	Water	04/05/21 14:15	04/07/21 09:30	
180-119606-2	GWA-47	Water	04/05/21 16:32	04/07/21 09:30	
180-119606-3	GWA-48	Water	04/05/21 14:02	04/07/21 09:30	
180-119606-4	GWC-51	Water	04/05/21 16:04	04/07/21 09:30	
180-119606-5	GWC-52	Water	04/05/21 15:01	04/07/21 09:30	
180-119606-6	DUP-1 (PA)	Water	04/05/21 00:01	04/07/21 09:30	
180-119606-7	FB-1 (PA)	Water	04/05/21 16:04	04/07/21 09:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-119606-1**

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:49	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 14:15	QDR	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWA-47**

**Lab Sample ID: 180-119606-2**

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:52	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 16:32	QDR	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-119606-3**

Date Collected: 04/05/21 14:02

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:08	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 14:02	QDR	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-119606-4**

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:11	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 16:04	QDR	TAL PIT
		Instrument ID: NOEQUIP								



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

## Client Sample ID: GWC-52

Date Collected: 04/05/21 15:01

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119606-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:13	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359592	04/05/21 15:01	QDR	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: DUP-1 (PA)

Date Collected: 04/05/21 00:01

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119606-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:16	RSK	TAL PIT
		Instrument ID: NEMO								

## Client Sample ID: FB-1 (PA)

Date Collected: 04/05/21 16:04

Date Received: 04/07/21 09:30

## Lab Sample ID: 180-119606-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:19	RSK	TAL PIT
		Instrument ID: NEMO								

### Laboratory References:

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

### Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

TJO = Tyler Oliver

Batch Type: Analysis

QDR = Quinita Reynolds

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-119606-1**

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.1		0.50	0.083	mg/L		04/19/21 13:46	06/02/21 13:49	1
Potassium	0.70		0.50	0.16	mg/L		04/19/21 13:46	06/02/21 13:49	1
Sodium	4.4		0.50	0.35	mg/L		04/19/21 13:46	06/02/21 13:49	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			04/05/21 14:15	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

**Client Sample ID: GWA-47**

**Lab Sample ID: 180-119606-2**

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.6		0.50	0.083	mg/L		04/19/21 13:46	06/02/21 13:52	1
Potassium	0.85		0.50	0.16	mg/L		04/19/21 13:46	06/02/21 13:52	1
Sodium	7.2		0.50	0.35	mg/L		04/19/21 13:46	06/02/21 13:52	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.59				SU			04/05/21 16:32	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-119606-3**

Date Collected: 04/05/21 14:02

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.6		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:08	1
Potassium	0.90		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:08	1
Sodium	6.0		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:08	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.78				SU			04/05/21 14:02	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-119606-4**

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.9		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:11	1
Potassium	0.48	J	0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:11	1
Sodium	4.7		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:11	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.99				SU			04/05/21 16:04	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-119606-5**

Date Collected: 04/05/21 15:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	11		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:13	1
Potassium	1.2		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:13	1
Sodium	8.9		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:13	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.68				SU			04/05/21 15:01	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

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

**Lab Sample ID: 180-119606-6**

Date Collected: 04/05/21 00:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	11		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:16	1
Potassium	1.3		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:16	1
Sodium	9.1		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:16	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

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

**Lab Sample ID: 180-119606-7**

**Date Collected: 04/05/21 16:04**

**Matrix: Water**

**Date Received: 04/07/21 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:19	1
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:19	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:19	1



# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

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

**Lab Sample ID: MB 180-353680/1-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 13:46	06/02/21 13:30	1
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 13:46	06/02/21 13:30	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 13:46	06/02/21 13:30	1

**Lab Sample ID: LCS 180-353680/2-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353680**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	24.7		mg/L		99	80 - 120
Potassium	25.0	24.1		mg/L		97	80 - 120
Sodium	25.0	25.5		mg/L		102	80 - 120

**Lab Sample ID: MB 180-353689/1-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 13:57	1
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 13:57	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 13:57	1

**Lab Sample ID: LCS 180-353689/2-A**  
**Matrix: Water**  
**Analysis Batch: 359294**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	26.5		mg/L		106	80 - 120
Potassium	25.0	26.0		mg/L		104	80 - 120
Sodium	25.0	27.2		mg/L		109	80 - 120

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 180-119606-2

## Metals

### Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	3005A	
180-119606-2	GWA-47	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	3005A	
180-119606-4	GWC-51	Total Recoverable	Water	3005A	
180-119606-5	GWC-52	Total Recoverable	Water	3005A	
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	3005A	
180-119606-7	FB-1 (PA)	Total Recoverable	Water	3005A	
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 359294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	EPA 6020B	353680
180-119606-2	GWA-47	Total Recoverable	Water	EPA 6020B	353680
180-119606-3	GWA-48	Total Recoverable	Water	EPA 6020B	353689
180-119606-4	GWC-51	Total Recoverable	Water	EPA 6020B	353689
180-119606-5	GWC-52	Total Recoverable	Water	EPA 6020B	353689
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119606-7	FB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689

## Field Service / Mobile Lab

### Analysis Batch: 359591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	Field Sampling	
180-119606-2	GWA-47	Total/NA	Water	Field Sampling	
180-119606-3	GWA-48	Total/NA	Water	Field Sampling	
180-119606-4	GWC-51	Total/NA	Water	Field Sampling	

### Analysis Batch: 359592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-5	GWC-52	Total/NA	Water	Field Sampling	

**TestAmerica Pittsburgh**

301 Alpha Drive  
 RDC Park  
 Pittsburgh, PA 15206-2907  
 Phone 412 983 7000 Fax 412 983 2400

**Chain of Custody Record**

**TestAmerica**

TestAmerica Laboratories, Inc.

<b>Client Contact:</b> Name: <u>Ray Abraham</u> Company: <u>Goodman Company</u> Address: <u>241 High Mount Road SE, Atlanta, GA 30308</u> Project Name: <u>CCR - Plant Scherer PAC Ash Cell Major Issue</u> State: <u>Georgia</u> P.O.#: _____		<b>Project Manager:</b> <u>Devin Pratt</u> Toll-Free: <u>1-888-570-2440</u>		<b>Site Contact:</b> <u>Devin Pratt</u> Lab Contact: <u>Shelli Brown</u>		Date: <u>4.9.2021</u> Center: _____		DOC No: _____ Page <u>1</u> of <u>1</u> DOCs	
<b>Analysis Turnaround Time:</b> <input type="checkbox"/> Callout only <input type="checkbox"/> Immediate report TAT if shipped from below: _____		<input type="checkbox"/> 1 week <input type="checkbox"/> 1 week <input type="checkbox"/> 1 day <input type="checkbox"/> 1 day		Perform (Sample ID) (N) _____ Perform (M) (M) (Y) (R) _____ Blockchain (Priority) (Priority) _____ # _____		Sampler: _____ For Lab Use Only: _____ Walk-in Client: _____ Lab Sampling: _____ Job/DOC No: _____		Sample Specific Notes: _____	
Sample Identification	Sample Date	Sample Time	Sample Type (Hazardous/Non-hazardous)	Matrix	P of C	1	2	3	4
GWA-46	4/9/2021	14:18	G	GW	+				
GWA-47	4/9/2021	18:32	G	GW	+				
GWA-48	4/9/2021	14:02	G	GW	+				
GWC-51	4/9/2021	18:04	G	GW	+				
GWC-52	4/9/2021	18:01	G	GW	+				
DUP-1 (PA)	4/9/2021	---	G	GW	+				
FB-1 (PA)	4/9/2021	18:04	G	W	+				

**Preservation Used:** 1=Ice, 2=ICD, 3=H2SO4, 4=HNO3, 5=NACl, 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.  
 Not Hazard     Flammable     Corrosive     Oxidizer

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):**  
 Return to Client     Disposal by Lab     Archive to \_\_\_\_\_ Month

**Special Instructions/DOC Requirements & Comments:**

Custody Seal Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Custody Seal No.: _____ Cooler Temp. (°C) (Dist): _____ Cont: _____ Therm ID No.: _____	Requisitioned by: <u>Yan Zha</u> Company: <u>Gold*</u> Date/Time: <u>4-9-21 8:00</u>	Received by: <u>Shelli Brown</u> Company: _____ Date/Time: _____	Received in Laboratory by: _____ Company: _____ Date/Time: _____
--	--	--	--

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

# Chain of Custody Record

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

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

Site Contact: Dawn Prell  
Lab Contact: Shari Brown

Date: 4.5.2021  
Carrier:

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sampler: \_\_\_\_\_

For Lab Use Only:  
Walk-in Client: \_\_\_\_\_  
Lab Sampling: \_\_\_\_\_

Job / SDG No.: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Se, Ag, TI, Vn, Zn Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, 6020, 7470A: As, Ba, B, Be, Ca,Cl, T, SO4, TDS	Sample Specific Notes:
						CALENDAR DAYS	WORKING DAYS				
GWA-46	4/5/2021	14:15	G	GW	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>				pH= 5.92
GWA-47	4/5/2021	16:32	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 6.59
GWA-48	4/5/2021	14:02	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 6.78
GWC-51	4/5/2021	16:04	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 5.99
GWC-52	4/5/2021	15:01	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				pH= 6.68
DUP-1 (PA)	4/5/2021		G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>				
FB-1 (PA)	4/5/2021	16:04	G	W	4	<input type="checkbox"/>	<input type="checkbox"/>				



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

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

Special Instructions/QC Requirements & Comments:

Non-Hazard  Flammable  Poison B  Unknown

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

Custody Seals Intact:  Yes  No

Relinquished by: Alan 2/20 Company: Golda Date/Time: 4-2-21 0800

Relinquished by: ETA Company: ETA Date/Time: 4/2/21

Relinquished by: [Signature] Company: ETA Date/Time: 4-7-21 930

Received by: [Signature] Company: Carrier New York Date/Time: 4/18/21 18:07

Received by: [Signature] Company: ETA Date/Time: 4/2/21

Received in Laboratory by: [Signature] Company: ETA Date/Time: 4-7-21 930

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

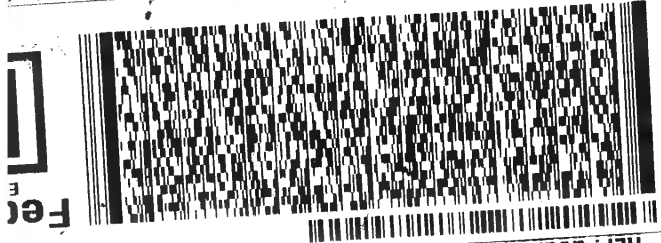


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

PT-WI-SR-001 effective 11/8/18  
 Initials CF  
 Thermometer ID 3.2  
 PA-US

**NA AGCA**

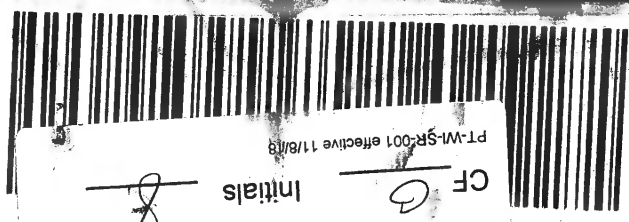
TRK# 1516 9329 2482  
 WED - 07 APR 1  
 PRIORITY OVER



10 SAMPLE RECEIVING  
 EUROFINS TESTAMERICA PITTSBURGH  
 301 ALPHA DR.  
 RIDC PARK  
 PITTSBURGH PA 15238  
 REF: GOLDER  
 (412) 963-7058  
 UNITED STATES US  
 NORCROSS, GA 30071  
 SUITE 900  
 6215 REGENCY PARKWAY NW  
 EUROFINS TESTING AMERICA ATL SC  
 GEORGE TAYLOR  
 ORIGIN ID: LIYA (678) 966-9991  
 SHIP DATE: 06APR21  
 ACTWGT: 52.00 LB  
 CAD: 859116/CAFE3409  
 BILL RECIPIENT:

europfi  
 RT-97  
 10:30  
 2482  
 04:07 testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



PT-WI-SR:001 effective 11/6/19

CF     
Initials   

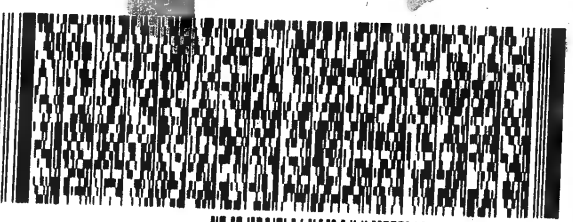
Uncorrected temp  
Thermometer ID

3.4  
°C

45238  
PIT

**NA AGJA**

TRK# 1516 9329 2471 0201  
WED - 07 APR 10:30A  
PRIORITY OVERNIGHT



10 SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
REF: GOLDER  
(412) 968-7068

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

BILL RECIPIENT  
SHIP DATE: 06APR21  
ACTWGT: 52.00 LB  
CAD: 859116/CAFE3409

7 10:30  
A 2471  
04:07

97  
eurofins FZ

Part # 159469-334 RIT2 EXP 11/21

Do Not Lift Using This Tag

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119606-2

**Login Number: 119606**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119801-1

Client Project/Site: Plant Scherer Surface Water

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
5/4/2021 8:42:19 AM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

**?** Ask  
The  
Expert

Visit us at:

[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	13
QC Sample Results . . . . .	21
QC Association Summary . . . . .	31
Chain of Custody . . . . .	36
Receipt Checklists . . . . .	37

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

---

**Job ID: 180-119801-1**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative**  
**180-119801-1**

### Comments

No additional comments.

### Receipt

The samples were received on 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.1° C, 3.2° C and 3.5° C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

### GC Semi VOA

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

### Metals

No analytical or quality issues were noted, other than those described 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 5310C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 180-354417. LCS/LCSD analyzed.

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 Surface Water

Job ID: 180-119801-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119801-1	SWA-1	Water	04/07/21 12:25	04/09/21 09:30	
180-119801-2	SWA-2	Water	04/07/21 15:25	04/09/21 09:30	
180-119801-3	SWA-3	Water	04/07/21 14:57	04/09/21 09:30	
180-119801-4	SWC-4	Water	04/07/21 12:52	04/09/21 09:30	
180-119801-5	SWC-6	Water	04/07/21 14:05	04/09/21 09:30	
180-119801-6	SWC-7	Water	04/07/21 13:46	04/09/21 09:30	
180-119801-7	SWC-8	Water	04/07/21 14:40	04/09/21 09:30	
180-119801-8	SWC-9	Water	04/07/21 13:16	04/09/21 09:30	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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 410.4	COD	MCAWW	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
SM 4500CN E	Total Cyanide	SM	TAL PIT
SM 5310C	Total Organic Carbon	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
410.4	COD	MCAWW	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT
SM 4500 CN C	Cyanide, Distillation	SM	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWA-1**  
**Date Collected: 04/07/21 12:25**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			353596	04/19/21 19:03	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 19:35	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354187	04/22/21 11:02	KHM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	353523	04/17/21 16:42	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			353971	04/20/21 14:17	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			354417	04/22/21 21:01	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352774	04/07/21 12:25	FDS	TAL PIT

**Client Sample ID: SWA-2**  
**Date Collected: 04/07/21 15:25**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			353596	04/19/21 14:42	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 19:38	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354187	04/22/21 11:03	KHM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	353523	04/17/21 16:47	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			353971	04/20/21 14:19	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			354417	04/22/21 21:17	GRB	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## Client Sample ID: SWA-2

Lab Sample ID: 180-119801-2

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 15:25	FDS	TAL PIT

## Client Sample ID: SWA-3

Lab Sample ID: 180-119801-3

Date Collected: 04/07/21 14:57

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	353597	04/19/21 21:27	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 19:42	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354187	04/22/21 11:04	KHM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	353523	04/17/21 16:47	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			353971	04/20/21 14:21	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			354417	04/22/21 21:32	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352774	04/07/21 14:57	FDS	TAL PIT

## Client Sample ID: SWC-4

Lab Sample ID: 180-119801-4

Date Collected: 04/07/21 12:52

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	353597	04/19/21 21:11	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354830	04/27/21 17:44	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354987	04/28/21 14:43	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354045	04/21/21 11:29	KHM	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-4**  
**Date Collected: 04/07/21 12:52**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-4**  
**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	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 12:52	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SWC-6**  
**Date Collected: 04/07/21 14:05**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1	1 mL	1.0 mL	353597	04/19/21 19:16	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354830	04/27/21 17:47	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354987	04/28/21 14:45	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:04	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 14:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SWC-7**  
**Date Collected: 04/07/21 13:46**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-6**  
**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			353596	04/19/21 21:30	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354830	04/27/21 17:50	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354987	04/28/21 14:48	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:05	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4		1	1 mL	1 mL	353523	04/17/21 16:48	ELS	TAL PIT
Instrument ID: GENESYS10S										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-7**  
**Date Collected: 04/07/21 13:46**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-6**  
**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 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			353971	04/20/21 14:23	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			354417	04/22/21 21:47	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352774	04/07/21 13:46	FDS	TAL PIT

**Client Sample ID: SWC-8**  
**Date Collected: 04/07/21 14:40**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			353596	04/19/21 14:58	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354830	04/27/21 17:52	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354987	04/28/21 14:51	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354187	04/22/21 11:08	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352774	04/07/21 14:40	FDS	TAL PIT

**Client Sample ID: SWC-9**  
**Date Collected: 04/07/21 13:16**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119801-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353598	04/19/21 17:58	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354830	04/27/21 17:55	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354987	04/28/21 14:54	RSK	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-9**

**Lab Sample ID: 180-119801-8**

**Date Collected: 04/07/21 13:16**

**Matrix: Water**

**Date Received: 04/09/21 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:09	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 13:16	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Laboratory References:**

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

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

- CMR = Carl Reagle
- DLL = Debbie Lowe
- ELS = Edwin Shireman
- KEM = Kimberly Mahoney
- MM1 = Mary Beth Miller
- TLP = Tara Peterson

Batch Type: Analysis

- CMR = Carl Reagle
- ELS = Edwin Shireman
- FDS = Sampler Field
- GRB = Gabriel Berghe
- KHM = Kyle Mucroski
- KMM = Kendric Moore
- RSK = Robert Kurtz
- SAT = Stephen Tallam



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWA-1**

**Lab Sample ID: 180-119801-1**

Date Collected: 04/07/21 12:25

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.6		1.0	0.71	mg/L			04/19/21 19:03	1
Fluoride	0.18		0.10	0.026	mg/L			04/19/21 19:03	1
Sulfate	44		1.0	0.76	mg/L			04/19/21 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 19:35	1
Arsenic	0.00041	J B	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:35	1
Barium	0.051		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:35	1
Boron	0.31		0.080	0.039	mg/L		04/20/21 17:54	04/23/21 19:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:35	1
Calcium	18		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:35	1
Cobalt	0.00014	J B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:35	1
Copper	0.0033		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 19:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:35	1
Nickel	0.00075	J B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 19:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 19:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:35	1
Vanadium	0.0028		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 19:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:02	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:42	1
Total Dissolved Solids	110		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:17	1
Total Organic Carbon - Duplicates	4.5		1.0	0.51	mg/L			04/22/21 21:01	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.47				SU			04/07/21 12:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWA-2**

**Lab Sample ID: 180-119801-2**

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/19/21 14:42	1
Fluoride	0.052	J	0.10	0.026	mg/L			04/19/21 14:42	1
Sulfate	190		1.0	0.76	mg/L			04/19/21 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 19:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:38	1
Barium	0.071		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:38	1
Boron	0.98		0.080	0.039	mg/L		04/20/21 17:54	04/23/21 19:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:38	1
Calcium	37		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:38	1
Cobalt	0.0070	B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 19:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:38	1
Nickel	0.0011	B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 19:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 19:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:38	1
Vanadium	0.0013		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 19:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:03	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:47	1
Total Dissolved Solids	340		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:19	1
Total Organic Carbon - Duplicates	1.4		1.0	0.51	mg/L			04/22/21 21:17	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.99				SU			04/07/21 15:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWA-3**

**Lab Sample ID: 180-119801-3**

Date Collected: 04/07/21 14:57

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/19/21 21:27	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/19/21 21:27	1
Sulfate	90		1.0	0.76	mg/L			04/19/21 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 19:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:42	1
Barium	0.047		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:42	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:42	1
Boron	0.53		0.080	0.039	mg/L		04/20/21 17:54	04/23/21 19:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:42	1
Calcium	14		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:42	1
Cobalt	0.0054	B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 19:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:42	1
Nickel	0.0013	B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 19:42	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 19:42	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:42	1
Vanadium	0.0018		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 19:42	1
Zinc	0.0035	J	0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:04	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:47	1
Total Dissolved Solids	160		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:21	1
Total Organic Carbon - Duplicates	0.88	J	1.0	0.51	mg/L			04/22/21 21:32	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.97				SU			04/07/21 14:57	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-4**

**Lab Sample ID: 180-119801-4**

Date Collected: 04/07/21 12:52

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.0		1.0	0.71	mg/L			04/19/21 21:11	1
Fluoride	0.067	J	0.10	0.026	mg/L			04/19/21 21:11	1
Sulfate	90		1.0	0.76	mg/L			04/19/21 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:44	1
Barium	0.048		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:44	1
Beryllium	0.00022	J	0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:44	1
Boron	0.54		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:44	1
Calcium	22		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:44	1
Cobalt	0.0025	B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:44	1
Lead	0.00018	J	0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:44	1
Nickel	0.00076	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:44	1
Thallium	0.00037	J	0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:44	1
Vanadium	0.0011		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:44	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			04/14/21 18:29	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.50				SU			04/07/21 12:52	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-6**

**Lab Sample ID: 180-119801-5**

Date Collected: 04/07/21 14:05

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.6		1.0	0.71	mg/L			04/19/21 19:16	1
Fluoride	0.093	J	0.10	0.026	mg/L			04/19/21 19:16	1
Sulfate	0.98	J	1.0	0.76	mg/L			04/19/21 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:47	1
Barium	0.029		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:47	1
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:47	1
Calcium	10		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:47	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:47	1
Cobalt	0.0029	B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:47	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:47	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:47	1
Nickel	0.00051	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:47	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:47	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:47	1
Vanadium	0.0017		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:47	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:47	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		04/21/21 08:50	04/22/21 11:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	83		10	10	mg/L			04/14/21 18:29	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.73				SU			04/07/21 14:05	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-7**

**Lab Sample ID: 180-119801-6**

Date Collected: 04/07/21 13:46

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.8		1.0	0.71	mg/L			04/19/21 21:30	1
Fluoride	0.085	J	0.10	0.026	mg/L			04/19/21 21:30	1
Sulfate	60		1.0	0.76	mg/L			04/19/21 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:50	1
Barium	0.049		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:50	1
Boron	0.35		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:50	1
Calcium	21		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:50	1
Cobalt	0.0011	J B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:50	1
Copper	0.00085	J	0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:50	1
Nickel	0.00056	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:50	1
Vanadium	0.0014		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:50	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		04/21/21 08:50	04/22/21 11:05	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:48	1
Total Dissolved Solids	150		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:23	1
Total Organic Carbon - Duplicates	1.9		1.0	0.51	mg/L			04/22/21 21:47	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.51				SU			04/07/21 13:46	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-8**

**Lab Sample ID: 180-119801-7**

Date Collected: 04/07/21 14:40

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/19/21 14:58	1
Fluoride	0.031	J	0.10	0.026	mg/L			04/19/21 14:58	1
Sulfate	140		1.0	0.76	mg/L			04/19/21 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:52	1
Barium	0.062		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:52	1
Boron	0.78		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:52	1
Calcium	27		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:52	1
Cobalt	0.0056	B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:52	1
Nickel	0.00091	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:52	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:08	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	250		10	10	mg/L			04/14/21 18:29	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.17				SU			04/07/21 14:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

**Client Sample ID: SWC-9**

**Lab Sample ID: 180-119801-8**

Date Collected: 04/07/21 13:16

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.4		1.0	0.71	mg/L			04/19/21 17:58	1
Fluoride	0.076	J	0.10	0.026	mg/L			04/19/21 17:58	1
Sulfate	2.3		1.0	0.76	mg/L			04/19/21 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:55	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:55	1
Barium	0.019		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:55	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:55	1
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:55	1
Calcium	10		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:55	1
Chromium	0.0060		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:55	1
Cobalt	0.00027	J B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:55	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:55	1
Vanadium	0.0062		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:55	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:09	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	85		10	10	mg/L			04/14/21 18:29	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.71				SU			04/07/21 13:16	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

**Lab Sample ID: MB 180-353596/6**  
**Matrix: Water**  
**Analysis Batch: 353596**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:04	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:04	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:04	1

**Lab Sample ID: LCS 180-353596/5**  
**Matrix: Water**  
**Analysis Batch: 353596**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	47.9		mg/L		96	90 - 110

**Lab Sample ID: 180-119801-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353596**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.6		50.0	54.8		mg/L		102	90 - 110
Fluoride	0.18		2.50	2.87		mg/L		107	90 - 110
Sulfate	44		50.0	93.7		mg/L		100	90 - 110

**Lab Sample ID: 180-119801-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353596**

**Client Sample ID: SWA-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	3.6		50.0	55.2		mg/L		103	90 - 110	1	20
Fluoride	0.18		2.50	2.92		mg/L		109	90 - 110	2	20
Sulfate	44		50.0	94.2		mg/L		101	90 - 110	1	20

**Lab Sample ID: MB 180-353597/6**  
**Matrix: Water**  
**Analysis Batch: 353597**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:09	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:09	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:09	1

**Lab Sample ID: LCS 180-353597/5**  
**Matrix: Water**  
**Analysis Batch: 353597**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.8		mg/L		94	90 - 110
Fluoride	2.50	2.61		mg/L		104	90 - 110
Sulfate	50.0	46.2		mg/L		92	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

**Lab Sample ID: 180-119801-5 MS**  
**Matrix: Water**  
**Analysis Batch: 353597**

**Client Sample ID: SWC-6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.6		50.0	53.6		mg/L		102	90 - 110
Fluoride	0.093	J	2.50	2.58		mg/L		100	90 - 110
Sulfate	0.98	J	50.0	51.4		mg/L		101	90 - 110

**Lab Sample ID: 180-119801-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 353597**

**Client Sample ID: SWC-6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.6		50.0	51.1		mg/L		97	90 - 110	5	20
Fluoride	0.093	J	2.50	2.54		mg/L		98	90 - 110	2	20
Sulfate	0.98	J	50.0	49.0		mg/L		96	90 - 110	5	20

**Lab Sample ID: MB 180-353598/6**  
**Matrix: Water**  
**Analysis Batch: 353598**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:16	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:16	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:16	1

**Lab Sample ID: LCS 180-353598/5**  
**Matrix: Water**  
**Analysis Batch: 353598**

**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	2.29		mg/L		92	90 - 110
Sulfate	50.0	49.1		mg/L		98	90 - 110

**Lab Sample ID: 180-119801-8 MS**  
**Matrix: Water**  
**Analysis Batch: 353598**

**Client Sample ID: SWC-9**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.4		50.0	52.3		mg/L		100	90 - 110
Fluoride	0.076	J	2.50	2.33		mg/L		90	90 - 110
Sulfate	2.3		50.0	51.8		mg/L		99	90 - 110

**Lab Sample ID: 180-119801-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 353598**

**Client Sample ID: SWC-9**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.4		50.0	52.0		mg/L		99	90 - 110	1	20
Fluoride	0.076	J	2.50	2.32		mg/L		90	90 - 110	0	20
Sulfate	2.3		50.0	51.3		mg/L		98	90 - 110	1	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

**Lab Sample ID: MB 180-353880/1-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 17:43	1
Arsenic	0.000651	J	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 17:43	1
Barium	<0.0016		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 17:43	1
Beryllium	0.000293	J	0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cadmium	0.000388	J	0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 17:43	1
Calcium	<0.13		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 17:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cobalt	0.000354	J	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 17:43	1
Lead	0.000385	J	0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Nickel	0.000389	J	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 17:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Silver	0.000200	J	0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Thallium	0.000716	J	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 17:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 17:43	1

**Lab Sample ID: LCS 180-353880/2-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.976		mg/L		98	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.496		mg/L		99	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Calcium	25.0	28.4		mg/L		114	80 - 120
Chromium	0.500	0.502		mg/L		100	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Copper	0.500	0.488		mg/L		98	80 - 120
Lead	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.485		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.252		mg/L		101	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.254		mg/L		102	80 - 120

**Lab Sample ID: 180-119761-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	0.969		mg/L		97	75 - 125
Barium	0.014		1.00	1.04		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125
Cadmium	<0.00022		0.500	0.512		mg/L		102	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

**Lab Sample ID: 180-119761-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	7.1		25.0	34.9		mg/L		111	75 - 125
Chromium	0.0067		0.500	0.514		mg/L		101	75 - 125
Cobalt	0.00023	J B	0.500	0.492		mg/L		98	75 - 125
Copper	0.00070	J	0.500	0.490		mg/L		98	75 - 125
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125
Nickel	0.0012	B	0.500	0.483		mg/L		96	75 - 125
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125
Vanadium	0.0059		0.500	0.515		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.252		mg/L		101	75 - 125

**Lab Sample ID: 180-119761-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.242		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	0.986		mg/L		99	75 - 125	2	20
Barium	0.014		1.00	1.05		mg/L		104	75 - 125	1	20
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	0	20
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	1	20
Calcium	7.1		25.0	35.3		mg/L		113	75 - 125	1	20
Chromium	0.0067		0.500	0.520		mg/L		103	75 - 125	1	20
Cobalt	0.00023	J B	0.500	0.501		mg/L		100	75 - 125	2	20
Copper	0.00070	J	0.500	0.499		mg/L		100	75 - 125	2	20
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	0.0012	B	0.500	0.491		mg/L		98	75 - 125	2	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125	3	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	0	20
Vanadium	0.0059		0.500	0.521		mg/L		103	75 - 125	1	20
Zinc	<0.0032		0.250	0.262		mg/L		105	75 - 125	4	20

**Lab Sample ID: MB 180-354082/1-A**  
**Matrix: Water**  
**Analysis Batch: 354886**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/28/21 09:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/28/21 09:03	1
Barium	<0.0016		0.010	0.0016	mg/L		04/21/21 16:23	04/28/21 09:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/28/21 09:03	1
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 09:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/28/21 09:03	1
Calcium	<0.13		0.50	0.13	mg/L		04/21/21 16:23	04/28/21 09:03	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/28/21 09:03	1
Cobalt	0.000257	J	0.0025	0.00013	mg/L		04/21/21 16:23	04/28/21 09:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/28/21 09:03	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

**Lab Sample ID: MB 180-354082/1-A**  
**Matrix: Water**  
**Analysis Batch: 354886**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/28/21 09:03	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/21/21 16:23	04/28/21 09:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/28/21 09:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/28/21 09:03	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/28/21 09:03	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/21/21 16:23	04/28/21 09:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/28/21 09:03	1

**Lab Sample ID: MB 180-354082/1-A**  
**Matrix: Water**  
**Analysis Batch: 354987**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:27	1

**Lab Sample ID: LCS 180-354082/2-A**  
**Matrix: Water**  
**Analysis Batch: 354830**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.231		mg/L		92	80 - 120
Arsenic	1.00	0.931		mg/L		93	80 - 120
Barium	1.00	0.961		mg/L		96	80 - 120
Beryllium	0.500	0.438		mg/L		88	80 - 120
Cadmium	0.500	0.482		mg/L		96	80 - 120
Calcium	25.0	27.8		mg/L		111	80 - 120
Chromium	0.500	0.463		mg/L		93	80 - 120
Cobalt	0.500	0.456		mg/L		91	80 - 120
Copper	0.500	0.462		mg/L		92	80 - 120
Lead	0.500	0.472		mg/L		94	80 - 120
Nickel	0.500	0.460		mg/L		92	80 - 120
Selenium	1.00	0.991		mg/L		99	80 - 120
Silver	0.250	0.256		mg/L		103	80 - 120
Thallium	1.00	0.961		mg/L		96	80 - 120
Vanadium	0.500	0.470		mg/L		94	80 - 120
Zinc	0.250	0.248		mg/L		99	80 - 120

**Lab Sample ID: LCS 180-354082/2-A**  
**Matrix: Water**  
**Analysis Batch: 354987**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.29		mg/L		103	80 - 120

**Lab Sample ID: 180-119011-J-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 354830**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.00040	J	0.250	0.246		mg/L		98	75 - 125

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

**Lab Sample ID: 180-119011-J-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 354830**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.00086	J	1.00	1.01		mg/L		101	75 - 125
Barium	0.026		1.00	1.05		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.466		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.504		mg/L		101	75 - 125
Calcium	17		25.0	46.2		mg/L		115	75 - 125
Chromium	0.0019	J	0.500	0.491		mg/L		98	75 - 125
Cobalt	0.00071	J B	0.500	0.498		mg/L		99	75 - 125
Copper	0.032		0.500	0.493		mg/L		92	75 - 125
Lead	0.00095	J	0.500	0.503		mg/L		100	75 - 125
Nickel	0.0025		0.500	0.493		mg/L		98	75 - 125
Selenium	<0.0015		1.00	0.995		mg/L		100	75 - 125
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125
Thallium	<0.00015		1.00	1.02		mg/L		102	75 - 125
Vanadium	0.0030		0.500	0.509		mg/L		101	75 - 125
Zinc	0.0083		0.250	0.260		mg/L		101	75 - 125

**Lab Sample ID: 180-119011-J-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354830**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 354082**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.00040	J	0.250	0.237		mg/L		95	75 - 125	3	20
Arsenic	0.00086	J	1.00	0.969		mg/L		97	75 - 125	4	20
Barium	0.026		1.00	1.02		mg/L		99	75 - 125	3	20
Beryllium	<0.00018		0.500	0.463		mg/L		93	75 - 125	1	20
Cadmium	<0.00022		0.500	0.491		mg/L		98	75 - 125	3	20
Calcium	17		25.0	44.6		mg/L		109	75 - 125	3	20
Chromium	0.0019	J	0.500	0.465		mg/L		93	75 - 125	6	20
Cobalt	0.00071	J B	0.500	0.471		mg/L		94	75 - 125	5	20
Copper	0.032		0.500	0.474		mg/L		88	75 - 125	4	20
Lead	0.00095	J	0.500	0.484		mg/L		97	75 - 125	4	20
Nickel	0.0025		0.500	0.476		mg/L		95	75 - 125	4	20
Selenium	<0.0015		1.00	0.989		mg/L		99	75 - 125	1	20
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125	4	20
Thallium	<0.00015		1.00	0.970		mg/L		97	75 - 125	5	20
Vanadium	0.0030		0.500	0.480		mg/L		95	75 - 125	6	20
Zinc	0.0083		0.250	0.256		mg/L		99	75 - 125	1	20

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

**Lab Sample ID: MB 180-353839/1-A**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:04	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

**Lab Sample ID: LCS 180-353839/2-A**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

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

**Lab Sample ID: 180-119649-M-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

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

**Lab Sample ID: 180-119649-M-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 354045**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353839**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125	1	20

**Lab Sample ID: MB 180-353957/1-A**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:43	1

**Lab Sample ID: LCS 180-353957/2-A**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

**Lab Sample ID: 180-119812-E-1-E MS**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00109		mg/L		109	75 - 125

**Lab Sample ID: 180-119812-E-1-F MSD**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	1	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## Method: EPA 410.4 - COD

**Lab Sample ID: MB 180-353518/12-A**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:30	1

**Lab Sample ID: MB 180-353518/36-A**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:46	1

**Lab Sample ID: LCS 180-353518/11-A**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	70.3		mg/L		94	90 - 110

**Lab Sample ID: LCS 180-353518/35-A**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	73.2		mg/L		98	90 - 110

**Lab Sample ID: 180-119801-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: SWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	<9.1		25.0	26.4		mg/L		106	90 - 110

**Lab Sample ID: 180-119801-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: SWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	<9.1		25.0	24.9		mg/L		100	90 - 110	6	20

**Lab Sample ID: 180-119801-6 MS**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: SWC-7**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	<9.1		25.0	24.2		mg/L		97	90 - 110

**Lab Sample ID: 180-119801-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 353523**

**Client Sample ID: SWC-7**  
**Prep Type: Total/NA**  
**Prep Batch: 353518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	<9.1		25.0	27.1		mg/L		109	90 - 110	11	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-353098/2  
Matrix: Water  
Analysis Batch: 353098

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/14/21 18:29	1

Lab Sample ID: LCS 180-353098/1  
Matrix: Water  
Analysis Batch: 353098

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	446		mg/L		92	80 - 120

Lab Sample ID: 180-119801-1 DU  
Matrix: Water  
Analysis Batch: 353098

Client Sample ID: SWA-1  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	110		103		mg/L		5	10

## Method: SM 4500CN E - Total Cyanide

Lab Sample ID: MB 180-353741/4-A  
Matrix: Water  
Analysis Batch: 353971

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 353741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 13:36	1

Lab Sample ID: HLCS 180-353741/2-A  
Matrix: Water  
Analysis Batch: 353971

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 353741

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.256		mg/L		102	90 - 110

Lab Sample ID: LCS 180-353741/3-A  
Matrix: Water  
Analysis Batch: 353971

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 353741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.200	0.183		mg/L		91	90 - 110

Lab Sample ID: LLCS 180-353741/1-A  
Matrix: Water  
Analysis Batch: 353971

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 353741

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0510		mg/L		102	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## Method: SM 4500CN E - Total Cyanide (Continued)

**Lab Sample ID: 180-119570-D-3-C MS**  
**Matrix: Water**  
**Analysis Batch: 353971**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353741**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.0080	F1	0.200	0.172	F1	mg/L		86	90 - 110

**Lab Sample ID: 180-119570-D-3-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353971**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353741**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.0080	F1	0.200	0.198		mg/L		99	90 - 110	14	20

**Lab Sample ID: 180-119570-D-3-B DU**  
**Matrix: Water**  
**Analysis Batch: 353971**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353741**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	<0.0080	F1	<0.0080		mg/L		NC	20

## Method: SM 5310C - Total Organic Carbon

**Lab Sample ID: MB 180-354417/20**  
**Matrix: Water**  
**Analysis Batch: 354417**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	<0.51		1.0	0.51	mg/L			04/22/21 17:58	1

**Lab Sample ID: LCS 180-354417/18**  
**Matrix: Water**  
**Analysis Batch: 354417**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Organic Carbon - Duplicates	20.0	19.6		mg/L		98	85 - 115

**Lab Sample ID: LCSD 180-354417/19**  
**Matrix: Water**  
**Analysis Batch: 354417**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total Organic Carbon - Duplicates	20.0	19.7		mg/L		99	85 - 115	0	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## HPLC/IC

### Analysis Batch: 353596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-119801-2	SWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-119801-6	SWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-119801-7	SWC-8	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353596/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353596/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119801-1 MS	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-119801-1 MSD	SWA-1	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-3	SWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-119801-4	SWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-119801-5	SWC-6	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353597/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353597/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119801-5 MS	SWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-119801-5 MSD	SWC-6	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-8	SWC-9	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353598/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353598/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119801-8 MS	SWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-119801-8 MSD	SWC-9	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 353839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total/NA	Water	7470A	
MB 180-353839/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total Recoverable	Water	3005A	
180-119801-2	SWA-2	Total Recoverable	Water	3005A	
180-119801-3	SWA-3	Total Recoverable	Water	3005A	
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	7470A	
180-119801-2	SWA-2	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## Metals (Continued)

### Prep Batch: 353957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-3	SWA-3	Total/NA	Water	7470A	
180-119801-5	SWC-6	Total/NA	Water	7470A	
180-119801-6	SWC-7	Total/NA	Water	7470A	
180-119801-7	SWC-8	Total/NA	Water	7470A	
180-119801-8	SWC-9	Total/NA	Water	7470A	
MB 180-353957/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	7470A	
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 354045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total/NA	Water	EPA 7470A	353839
MB 180-353839/1-A	Method Blank	Total/NA	Water	EPA 7470A	353839
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353839

### Prep Batch: 354082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total Recoverable	Water	3005A	
180-119801-5	SWC-6	Total Recoverable	Water	3005A	
180-119801-6	SWC-7	Total Recoverable	Water	3005A	
180-119801-7	SWC-8	Total Recoverable	Water	3005A	
180-119801-8	SWC-9	Total Recoverable	Water	3005A	
MB 180-354082/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-354082/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119011-J-13-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119011-J-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 354187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	EPA 7470A	353957
180-119801-2	SWA-2	Total/NA	Water	EPA 7470A	353957
180-119801-3	SWA-3	Total/NA	Water	EPA 7470A	353957
180-119801-5	SWC-6	Total/NA	Water	EPA 7470A	353957
180-119801-6	SWC-7	Total/NA	Water	EPA 7470A	353957
180-119801-7	SWC-8	Total/NA	Water	EPA 7470A	353957
180-119801-8	SWC-9	Total/NA	Water	EPA 7470A	353957
MB 180-353957/1-A	Method Blank	Total/NA	Water	EPA 7470A	353957
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353957

### Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total Recoverable	Water	EPA 6020B	353880
180-119801-2	SWA-2	Total Recoverable	Water	EPA 6020B	353880
180-119801-3	SWA-3	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## Metals (Continued)

### Analysis Batch: 354448 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353880

### Analysis Batch: 354830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total Recoverable	Water	EPA 6020B	354082
180-119801-5	SWC-6	Total Recoverable	Water	EPA 6020B	354082
180-119801-6	SWC-7	Total Recoverable	Water	EPA 6020B	354082
180-119801-7	SWC-8	Total Recoverable	Water	EPA 6020B	354082
180-119801-8	SWC-9	Total Recoverable	Water	EPA 6020B	354082
LCS 180-354082/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	354082
180-119011-J-13-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	354082
180-119011-J-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	354082

### Analysis Batch: 354886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-354082/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	354082

### Analysis Batch: 354987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total Recoverable	Water	EPA 6020B	354082
180-119801-5	SWC-6	Total Recoverable	Water	EPA 6020B	354082
180-119801-6	SWC-7	Total Recoverable	Water	EPA 6020B	354082
180-119801-7	SWC-8	Total Recoverable	Water	EPA 6020B	354082
180-119801-8	SWC-9	Total Recoverable	Water	EPA 6020B	354082
MB 180-354082/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	354082
LCS 180-354082/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	354082

## General Chemistry

### Analysis Batch: 353098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 2540C	
180-119801-2	SWA-2	Total/NA	Water	SM 2540C	
180-119801-3	SWA-3	Total/NA	Water	SM 2540C	
180-119801-4	SWC-4	Total/NA	Water	SM 2540C	
180-119801-5	SWC-6	Total/NA	Water	SM 2540C	
180-119801-6	SWC-7	Total/NA	Water	SM 2540C	
180-119801-7	SWC-8	Total/NA	Water	SM 2540C	
180-119801-8	SWC-9	Total/NA	Water	SM 2540C	
MB 180-353098/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-353098/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119801-1 DU	SWA-1	Total/NA	Water	SM 2540C	

### Prep Batch: 353518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	410.4	
180-119801-2	SWA-2	Total/NA	Water	410.4	
180-119801-3	SWA-3	Total/NA	Water	410.4	
180-119801-6	SWC-7	Total/NA	Water	410.4	
MB 180-353518/12-A	Method Blank	Total/NA	Water	410.4	

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## General Chemistry (Continued)

### Prep Batch: 353518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-353518/36-A	Method Blank	Total/NA	Water	410.4	
LCS 180-353518/11-A	Lab Control Sample	Total/NA	Water	410.4	
LCS 180-353518/35-A	Lab Control Sample	Total/NA	Water	410.4	
180-119801-1 MS	SWA-1	Total/NA	Water	410.4	
180-119801-1 MSD	SWA-1	Total/NA	Water	410.4	
180-119801-6 MS	SWC-7	Total/NA	Water	410.4	
180-119801-6 MSD	SWC-7	Total/NA	Water	410.4	

### Analysis Batch: 353523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	EPA 410.4	353518
180-119801-2	SWA-2	Total/NA	Water	EPA 410.4	353518
180-119801-3	SWA-3	Total/NA	Water	EPA 410.4	353518
180-119801-6	SWC-7	Total/NA	Water	EPA 410.4	353518
MB 180-353518/12-A	Method Blank	Total/NA	Water	EPA 410.4	353518
MB 180-353518/36-A	Method Blank	Total/NA	Water	EPA 410.4	353518
LCS 180-353518/11-A	Lab Control Sample	Total/NA	Water	EPA 410.4	353518
LCS 180-353518/35-A	Lab Control Sample	Total/NA	Water	EPA 410.4	353518
180-119801-1 MS	SWA-1	Total/NA	Water	EPA 410.4	353518
180-119801-1 MSD	SWA-1	Total/NA	Water	EPA 410.4	353518
180-119801-6 MS	SWC-7	Total/NA	Water	EPA 410.4	353518
180-119801-6 MSD	SWC-7	Total/NA	Water	EPA 410.4	353518

### Prep Batch: 353741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 4500 CN C	
180-119801-2	SWA-2	Total/NA	Water	SM 4500 CN C	
180-119801-3	SWA-3	Total/NA	Water	SM 4500 CN C	
180-119801-6	SWC-7	Total/NA	Water	SM 4500 CN C	
MB 180-353741/4-A	Method Blank	Total/NA	Water	SM 4500 CN C	
HLCS 180-353741/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LCS 180-353741/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LLCS 180-353741/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
180-119570-D-3-C MS	Matrix Spike	Total/NA	Water	SM 4500 CN C	
180-119570-D-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN C	
180-119570-D-3-B DU	Duplicate	Total/NA	Water	SM 4500 CN C	

### Analysis Batch: 353971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 4500CN E	353741
180-119801-2	SWA-2	Total/NA	Water	SM 4500CN E	353741
180-119801-3	SWA-3	Total/NA	Water	SM 4500CN E	353741
180-119801-6	SWC-7	Total/NA	Water	SM 4500CN E	353741
MB 180-353741/4-A	Method Blank	Total/NA	Water	SM 4500CN E	353741
HLCS 180-353741/2-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	353741
LCS 180-353741/3-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	353741
LLCS 180-353741/1-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	353741
180-119570-D-3-C MS	Matrix Spike	Total/NA	Water	SM 4500CN E	353741
180-119570-D-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500CN E	353741
180-119570-D-3-B DU	Duplicate	Total/NA	Water	SM 4500CN E	353741

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

## General Chemistry

### Analysis Batch: 354417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 5310C	
180-119801-2	SWA-2	Total/NA	Water	SM 5310C	
180-119801-3	SWA-3	Total/NA	Water	SM 5310C	
180-119801-6	SWC-7	Total/NA	Water	SM 5310C	
MB 180-354417/20	Method Blank	Total/NA	Water	SM 5310C	
LCS 180-354417/18	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 180-354417/19	Lab Control Sample Dup	Total/NA	Water	SM 5310C	

## Field Service / Mobile Lab

### Analysis Batch: 352774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	Field Sampling	
180-119801-2	SWA-2	Total/NA	Water	Field Sampling	
180-119801-3	SWA-3	Total/NA	Water	Field Sampling	
180-119801-4	SWC-4	Total/NA	Water	Field Sampling	
180-119801-5	SWC-6	Total/NA	Water	Field Sampling	
180-119801-6	SWC-7	Total/NA	Water	Field Sampling	
180-119801-7	SWC-8	Total/NA	Water	Field Sampling	
180-119801-8	SWC-9	Total/NA	Water	Field Sampling	

Chain of Custody Record

TestAmerica Laboratories, Inc.

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

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

Site Contact: Dawn Prell  
Date: 4.7.2021

Lab Contact: Shali Brown  
Carrier: \_\_\_\_\_

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS

TAT if different from Below \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Client Contact  
Joiu Abraham  
Southern Company  
241 Ralph McGill Blvd SE B10185  
Atlanta, GA 30308  
JAbraham@southernco.com  
Project Name: Plant Scherer Surface Water  
Site: Georgia  
P O # 18019884

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sampler: \_\_\_\_\_  
For Lab Use Only:  
Walk-in Client:  
Lab Sampling:  
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes:											
						Filtered Sample (Y/N)	Form MS/MSD (Y/N)	Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Vn, Zn	Mn, Ca	T, Cl, SO4	TDS	Chemical Oxygen Demand	Cyanide	TOC			
SWA-1	4/7/2021	12:25	G	Water	7			X	X	X	X	X	X	X	X	X	pH = 7.47
SWA-2	4/7/2021	15:25	G	Water	7			X	X	X	X	X	X	X	X	X	pH = 6.99
SWA-3	4/7/2021	14:57	G	Water	7			X	X	X	X	X	X	X	X	X	pH = 6.97
SWC-4	4/7/2021	12:52	G	Water	3			X	X	X	X						pH = 7.50
SWC-6	4/7/2021	14:05	G	Water	3			X	X	X	X						pH = 7.73
SWC-7	4/7/2021	13:46	G	Water	7			X	X	X	X	X	X	X	X	X	pH = 7.51
SWC-8	4/7/2021	14:40	G	Water	3			X	X	X	X						pH = 7.17
SWC-9	4/7/2021	13:16	G	Water	3			X	X	X	X						pH = 6.71



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

Possible Hazard Identification: \_\_\_\_\_

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments:

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

4 1 3 3 5

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

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

Relinquished by: \_\_\_\_\_ Company: Southern Ass Date/Time: 4-8-21 10:36

Relinquished by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: 4-9-21 9:30

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

Cooler Temp. (°C): Obs'd: \_\_\_\_\_

## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119801-1

**Login Number: 119801**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-119756-1  
Client Project/Site: Plant Scherer Effluent

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

Attn: Joju Abraham



Authorized for release by:  
4/26/2021 6:37:35 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	9
QC Sample Results . . . . .	10
QC Association Summary . . . . .	13
Chain of Custody . . . . .	14
Receipt Checklists . . . . .	15

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

---

**Job ID: 180-119756-1**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

---

**Narrative**

**Job Narrative  
180-119756-1**

**Comments**

No additional comments.

**Receipt**

The sample was received on 4/9/2021 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

**Metals**

Method 7470A: The following sample was diluted to bring the concentration of mercury within the calibration range: Effluent (180-119756-1). Elevated reporting limits (RLs) are provided.

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119756-1	Effluent	Water	04/06/21 11:30	04/09/21 09:30	

---

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

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



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

**Client Sample ID: Effluent**

**Lab Sample ID: 180-119756-1**

**Date Collected: 04/06/21 11:30**

**Matrix: Water**

**Date Received: 04/09/21 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 17:51	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		20			354187	04/22/21 12:27	KHM	TAL PIT
		Instrument ID: HGZ								

### Laboratory References:

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

### Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

MM1 = Mary Beth Miller

Batch Type: Analysis

KHM = Kyle Mucroski

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

**Client Sample ID: Effluent**  
 Date Collected: 04/06/21 11:30  
 Date Received: 04/09/21 09:30

**Lab Sample ID: 180-119756-1**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0046		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 17:51	1
Arsenic	0.021	B	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 17:51	1
Barium	0.10		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 17:51	1
Beryllium	0.0018	J B	0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 17:51	1
Cadmium	0.0071	B	0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 17:51	1
Chromium	0.083		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 17:51	1
Cobalt	0.092	B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 17:51	1
Copper	0.23		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 17:51	1
Lead	0.036	B	0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 17:51	1
Nickel	0.36	B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 17:51	1
Selenium	0.11		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 17:51	1
Silver	0.00021	J B	0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 17:51	1
Thallium	0.0013	B	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 17:51	1
Vanadium	0.039		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 17:51	1
Zinc	0.56		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.0040	0.0026	mg/L		04/21/21 08:50	04/22/21 12:27	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

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

**Lab Sample ID: MB 180-353880/1-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 17:43	1
Arsenic	0.000651	J	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 17:43	1
Barium	<0.0016		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 17:43	1
Beryllium	0.000293	J	0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cadmium	0.000388	J	0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 17:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cobalt	0.000354	J	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 17:43	1
Lead	0.000385	J	0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Nickel	0.000389	J	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 17:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Silver	0.000200	J	0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Thallium	0.000716	J	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 17:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 17:43	1

**Lab Sample ID: LCS 180-353880/2-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.241		mg/L		96	80 - 120
Arsenic	1.00	0.976		mg/L		98	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.496		mg/L		99	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Chromium	0.500	0.502		mg/L		100	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Copper	0.500	0.488		mg/L		98	80 - 120
Lead	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.485		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.252		mg/L		101	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.254		mg/L		102	80 - 120

**Lab Sample ID: 180-119761-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	0.969		mg/L		97	75 - 125
Barium	0.014		1.00	1.04		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125
Cadmium	<0.00022		0.500	0.512		mg/L		102	75 - 125
Chromium	0.0067		0.500	0.514		mg/L		101	75 - 125
Cobalt	0.00023	J B	0.500	0.492		mg/L		98	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

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

**Lab Sample ID: 180-119761-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	0.00070	J	0.500	0.490		mg/L		98	75 - 125
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125
Nickel	0.0012	B	0.500	0.483		mg/L		96	75 - 125
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125
Vanadium	0.0059		0.500	0.515		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.252		mg/L		101	75 - 125

**Lab Sample ID: 180-119761-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.242		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	0.986		mg/L		99	75 - 125	2	20
Barium	0.014		1.00	1.05		mg/L		104	75 - 125	1	20
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	0	20
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	1	20
Chromium	0.0067		0.500	0.520		mg/L		103	75 - 125	1	20
Cobalt	0.00023	J B	0.500	0.501		mg/L		100	75 - 125	2	20
Copper	0.00070	J	0.500	0.499		mg/L		100	75 - 125	2	20
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	0.0012	B	0.500	0.491		mg/L		98	75 - 125	2	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125	3	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	0	20
Vanadium	0.0059		0.500	0.521		mg/L		103	75 - 125	1	20
Zinc	<0.0032		0.250	0.262		mg/L		105	75 - 125	4	20

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

**Lab Sample ID: MB 180-353957/1-A**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:43	1

**Lab Sample ID: LCS 180-353957/2-A**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

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

**Lab Sample ID: 180-119812-E-1-E MS**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00109		mg/L		109	75 - 125

**Lab Sample ID: 180-119812-E-1-F MSD**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	1	20





# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

## Metals

### Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total Recoverable	Water	3005A	
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total/NA	Water	7470A	
MB 180-353957/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	7470A	
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 354187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total/NA	Water	EPA 7470A	353957
MB 180-353957/1-A	Method Blank	Total/NA	Water	EPA 7470A	353957
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353957

### Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353880

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

Client Contact: Joju Abraham  
Southern Company  
241 Ralph McGill Blvd SE B10185  
Atlanta, GA 30308  
JAbraham@southernco.com  
Project Name: CCR - Plant Scherer Effluent  
Site: Georgia  
P O # \_\_\_\_\_

Project Manager: Dawn Prell  
Tel/Fax: 248-536-5445  
Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Site Contact: Dawn Prell  
Lab Contact: Shali Brown  
Carrier: \_\_\_\_\_  
Date: 4.6.2021  
COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sampler: \_\_\_\_\_  
For Lab Use Only:  
Walk-in Client: \_\_\_\_\_  
Lab Sampling: \_\_\_\_\_  
Job / SDG No.: \_\_\_\_\_

Sample Specific Notes: \_\_\_\_\_

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Sample Specific Notes
						Y	N	Y	N	
4/6/2021	11:30	G	Water	1						X
Hg, Ni, Se, Ag, TI, Vn, Zn										
Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb										
180-119756 Chain of Custody										
4										

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

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

Special Instructions/QC Requirements & Comments: \_\_\_\_\_

Relinquished by: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_

Custody Seal No.: \_\_\_\_\_  
Company: \_\_\_\_\_  
Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_

Company: Courier Now  
Date/Time: 4/7/21 8:05  
Company: ETA  
Date/Time: 4/2/21 10:10  
Company: \_\_\_\_\_  
Date/Time: 4/2/21 9:21

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/19 30



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119756-1

**Login Number: 119756**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



**APPENDIX B**

Laboratory Analytical Data  
June 2021

## ANALYTICAL REPORT

Eurofins TestAmerica, Canton  
4101 Shuffel Street NW  
North Canton, OH 44720  
Tel: (330)497-9396

Laboratory Job ID: 240-150691-1  
Client Project/Site: Plant Scherer Cell 1

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

Attn: Joju Abraham



*Authorized for release by:  
6/9/2021 8:22:28 PM*

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Method Summary . . . . .	5
Sample Summary . . . . .	6
Detection Summary . . . . .	7
Client Sample Results . . . . .	8
QC Sample Results . . . . .	12
QC Association Summary . . . . .	15
Lab Chronicle . . . . .	17
Certification Summary . . . . .	18
Chain of Custody . . . . .	19

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

---

**Job ID: 240-150691-1**

---

**Laboratory: Eurofins TestAmerica, Canton**

## Narrative

---

**Job Narrative**  
**240-150691-1**

## Comments

No additional comments.

## Receipt

The samples were received on 6/4/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4° C.

## Metals

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

## Field Service / Mobile Lab

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

## General Chemistry

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	TAL CAN
2540 C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL CAN
9056A	Anions, Ion Chromatography	SW846	TAL CAN
Field Sampling	Field Sampling	EPA	TAL CAN
7470A	Preparation, Mercury	SW846	TAL CAN

#### Protocol References:

EPA = US Environmental Protection Agency

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-150691-1	GWC-6	Water	06/02/21 11:10	06/04/21 10:10	
240-150691-2	GWC-8A	Water	06/01/21 16:32	06/04/21 10:10	
240-150691-3	GWC-19	Water	06/01/21 13:17	06/04/21 10:10	
240-150691-4	GWC-20	Water	06/01/21 15:25	06/04/21 10:10	

1

2

3

4

5

6

7

8

9

10

11

12

13

# Detection Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

## Client Sample ID: GWC-6

## Lab Sample ID: 240-150691-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	140		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	6.3		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.038	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	13		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.09				SU	1		Field Sampling	Total/NA

## Client Sample ID: GWC-8A

## Lab Sample ID: 240-150691-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	340		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	9.4		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.034	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	17		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.28				SU	1		Field Sampling	Total/NA

## Client Sample ID: GWC-19

## Lab Sample ID: 240-150691-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	130		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	2.6		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.026	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	1.9		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.18				SU	1		Field Sampling	Total/NA

## Client Sample ID: GWC-20

## Lab Sample ID: 240-150691-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	120		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	2.1		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.033	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	1.4		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.39				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

**Client Sample ID: GWC-6**  
 Date Collected: 06/02/21 11:10  
 Date Received: 06/04/21 10:10

**Lab Sample ID: 240-150691-1**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:50	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>140</b>		10	7.8	mg/L			06/08/21 07:52	1
<b>Chloride</b>	<b>6.3</b>		1.0	0.28	mg/L			06/08/21 04:06	1
<b>Fluoride</b>	<b>0.038</b>	<b>J</b>	0.050	0.024	mg/L			06/08/21 04:06	1
<b>Sulfate</b>	<b>13</b>		1.0	0.35	mg/L			06/08/21 04:06	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH, Field</b>	<b>6.09</b>				SU			06/02/21 11:10	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

**Client Sample ID: GWC-8A**  
 Date Collected: 06/01/21 16:32  
 Date Received: 06/04/21 10:10

**Lab Sample ID: 240-150691-2**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>340</b>		10	7.8	mg/L			06/07/21 08:04	1
<b>Chloride</b>	<b>9.4</b>		1.0	0.28	mg/L			06/08/21 01:56	1
<b>Fluoride</b>	<b>0.034</b>	<b>J</b>	0.050	0.024	mg/L			06/08/21 01:56	1
<b>Sulfate</b>	<b>17</b>		1.0	0.35	mg/L			06/08/21 01:56	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH, Field</b>	<b>6.28</b>				SU			06/01/21 16:32	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

**Client Sample ID: GWC-19**  
Date Collected: 06/01/21 13:17  
Date Received: 06/04/21 10:10

**Lab Sample ID: 240-150691-3**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>130</b>		10	7.8	mg/L			06/07/21 08:04	1
<b>Chloride</b>	<b>2.6</b>		1.0	0.28	mg/L			06/08/21 03:01	1
<b>Fluoride</b>	<b>0.026</b>	<b>J</b>	0.050	0.024	mg/L			06/08/21 03:01	1
<b>Sulfate</b>	<b>1.9</b>		1.0	0.35	mg/L			06/08/21 03:01	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH, Field</b>	<b>6.18</b>				SU			06/01/21 13:17	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

**Client Sample ID: GWC-20**  
 Date Collected: 06/01/21 15:25  
 Date Received: 06/04/21 10:10

**Lab Sample ID: 240-150691-4**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>120</b>		10	7.8	mg/L			06/07/21 08:04	1
<b>Chloride</b>	<b>2.1</b>		1.0	0.28	mg/L			06/08/21 03:23	1
<b>Fluoride</b>	<b>0.033</b>	<b>J</b>	0.050	0.024	mg/L			06/08/21 03:23	1
<b>Sulfate</b>	<b>1.4</b>		1.0	0.35	mg/L			06/08/21 03:23	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH, Field</b>	<b>6.39</b>				SU			06/01/21 15:25	1



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 240-489364/1-A**  
**Matrix: Water**  
**Analysis Batch: 489492**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489364**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:35	1

**Lab Sample ID: LCS 240-489364/2-A**  
**Matrix: Water**  
**Analysis Batch: 489492**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 489364**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00483		mg/L		97	80 - 120

**Lab Sample ID: 240-150632-B-1-E MS**  
**Matrix: Water**  
**Analysis Batch: 489492**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 489364**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00107		mg/L		107	80 - 120

**Lab Sample ID: 240-150632-B-1-F MSD**  
**Matrix: Water**  
**Analysis Batch: 489492**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 489364**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00105		mg/L		105	80 - 120	2	20

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

**Lab Sample ID: MB 240-489268/1**  
**Matrix: Water**  
**Analysis Batch: 489268**

**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	<7.8		10	7.8	mg/L			06/07/21 08:04	1

**Lab Sample ID: LCS 240-489268/2**  
**Matrix: Water**  
**Analysis Batch: 489268**

**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	347	369		mg/L		106	80 - 120

**Lab Sample ID: 240-150691-2 DU**  
**Matrix: Water**  
**Analysis Batch: 489268**

**Client Sample ID: GWC-8A**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	340		345		mg/L		2	20



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

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

Lab Sample ID: MB 240-489489/1  
Matrix: Water  
Analysis Batch: 489489

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	<7.8		10	7.8	mg/L			06/08/21 07:52	1

Lab Sample ID: LCS 240-489489/2  
Matrix: Water  
Analysis Batch: 489489

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	347	352		mg/L		101	80 - 120

Lab Sample ID: 240-150693-A-1 DU  
Matrix: Water  
Analysis Batch: 489489

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	11000		11000		mg/L		2	20

## Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-489376/3  
Matrix: Water  
Analysis Batch: 489376

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.28		1.0	0.28	mg/L			06/07/21 15:05	1
Fluoride	<0.024		0.050	0.024	mg/L			06/07/21 15:05	1
Sulfate	<0.35		1.0	0.35	mg/L			06/07/21 15:05	1

Lab Sample ID: LCS 240-489376/4  
Matrix: Water  
Analysis Batch: 489376

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	50.2		mg/L		100	90 - 110
Fluoride	2.50	2.41		mg/L		96	90 - 110
Sulfate	50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: 240-150691-2 MS  
Matrix: Water  
Analysis Batch: 489376

Client Sample ID: GWC-8A  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.4		50.0	64.8		mg/L		111	80 - 120
Fluoride	0.034	J	2.50	2.66		mg/L		105	80 - 120
Sulfate	17		50.0	71.0		mg/L		108	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

## Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 240-150691-2 MSD

Matrix: Water

Analysis Batch: 489376

Client Sample ID: GWC-8A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.4		50.0	63.7		mg/L		109	80 - 120	2	15
Fluoride	0.034	J	2.50	2.63		mg/L		104	80 - 120	1	15
Sulfate	17		50.0	69.9		mg/L		106	80 - 120	2	15

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

## Metals

### Prep Batch: 489364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	7470A	
240-150691-2	GWC-8A	Total/NA	Water	7470A	
240-150691-3	GWC-19	Total/NA	Water	7470A	
240-150691-4	GWC-20	Total/NA	Water	7470A	
MB 240-489364/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-489364/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-150632-B-1-E MS	Matrix Spike	Total/NA	Water	7470A	
240-150632-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 489492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	7470A	489364
240-150691-2	GWC-8A	Total/NA	Water	7470A	489364
240-150691-3	GWC-19	Total/NA	Water	7470A	489364
240-150691-4	GWC-20	Total/NA	Water	7470A	489364
MB 240-489364/1-A	Method Blank	Total/NA	Water	7470A	489364
LCS 240-489364/2-A	Lab Control Sample	Total/NA	Water	7470A	489364
240-150632-B-1-E MS	Matrix Spike	Total/NA	Water	7470A	489364
240-150632-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	489364

## General Chemistry

### Analysis Batch: 489268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-2	GWC-8A	Total/NA	Water	2540 C-2011	
240-150691-3	GWC-19	Total/NA	Water	2540 C-2011	
240-150691-4	GWC-20	Total/NA	Water	2540 C-2011	
MB 240-489268/1	Method Blank	Total/NA	Water	2540 C-2011	
LCS 240-489268/2	Lab Control Sample	Total/NA	Water	2540 C-2011	
240-150691-2 DU	GWC-8A	Total/NA	Water	2540 C-2011	

### Analysis Batch: 489376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	9056A	
240-150691-2	GWC-8A	Total/NA	Water	9056A	
240-150691-3	GWC-19	Total/NA	Water	9056A	
240-150691-4	GWC-20	Total/NA	Water	9056A	
MB 240-489376/3	Method Blank	Total/NA	Water	9056A	
LCS 240-489376/4	Lab Control Sample	Total/NA	Water	9056A	
240-150691-2 MS	GWC-8A	Total/NA	Water	9056A	
240-150691-2 MSD	GWC-8A	Total/NA	Water	9056A	

### Analysis Batch: 489489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	2540 C-2011	
MB 240-489489/1	Method Blank	Total/NA	Water	2540 C-2011	
LCS 240-489489/2	Lab Control Sample	Total/NA	Water	2540 C-2011	
240-150693-A-1 DU	Duplicate	Total/NA	Water	2540 C-2011	

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

## Field Service / Mobile Lab

### Analysis Batch: 489358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	Field Sampling	
240-150691-2	GWC-8A	Total/NA	Water	Field Sampling	
240-150691-3	GWC-19	Total/NA	Water	Field Sampling	

### Analysis Batch: 489360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-4	GWC-20	Total/NA	Water	Field Sampling	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

**Client Sample ID: GWC-6**

**Date Collected: 06/02/21 11:10**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150691-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:50	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489489	06/08/21 07:52	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 04:06	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/02/21 11:10	FS	TAL CAN

**Client Sample ID: GWC-8A**

**Date Collected: 06/01/21 16:32**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150691-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:52	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489268	06/07/21 08:04	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 01:56	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 16:32	FS	TAL CAN

**Client Sample ID: GWC-19**

**Date Collected: 06/01/21 13:17**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150691-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:54	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489268	06/07/21 08:04	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 03:01	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 13:17	FS	TAL CAN

**Client Sample ID: GWC-20**

**Date Collected: 06/01/21 15:25**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150691-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:56	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489268	06/07/21 08:04	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 03:23	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489360	06/01/21 15:25	FS	TAL CAN

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 240-150691-1

## Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-21
Iowa	State	421	06-01-21 *
Kansas	NELAP	E-10336	04-30-21 *
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-21
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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

Eurofins TestAmerica, Canton

4.3/4.4

# Chain of Custody Record

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

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

<b>Client Contact</b> Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com <b>Project Name: CCR - Plant Scherer Cell 1</b> Site: Georgia PO #		<b>Regulatory Program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		<b>Site Contact: Dawn Prell</b> <b>Lab Contact: Shali Brown</b>		<b>Date:</b> 2021 <b>Carrier:</b>		<b>COC No.:</b> 1 of 1 COCs	
<b>Project Manager: Dawn Prell</b> <b>Tel/Fax: 248-536-5445</b>		<b>Analysis Turnaround Time</b> <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: 3-5 days		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input checked="" type="checkbox"/> 1 day		<b>Sample Specific Notes</b>		<b>Sampler:</b> For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:	
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Mercury	Cl, F, SO4, TDS
GWC-6	6-2-21	1110	G	GW	3	X	X	X	X
GWC-8A	6-1-21	1632	G	GW	3	X	X	X	X
GWC-19	6-1-21	1317	G	GW	3	X	X	X	X
GWC-20	6-1-21	1525	G	GW	3	X	X	X	X
<p><b>Possible Hazard Identification:</b> 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.</p> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
<b>Special Instructions/QC Requirements &amp; Comments:</b>									
<b>Custody Seal No.:</b> Relinquished by: <i>Dawn Prell</i>		<b>Company:</b> <i>Southern</i>		<b>Date/Time:</b> 6/2/21 1554		<b>Received by:</b> <i>Shali Brown</i>		<b>Company:</b> <i>ETA</i>	
Relinquished by: <i>Shali Brown</i>		<b>Company:</b>		<b>Date/Time:</b> 6/2/21 1010		<b>Received by:</b>		<b>Company:</b>	
Relinquished by:		<b>Company:</b>		<b>Date/Time:</b>		<b>Received in Laboratory by:</b>		<b>Company:</b>	



are retained longer than 1 month

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

**Cooler Temp. (°C):** Obs'd: \_\_\_\_\_

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

**Company:** *Colder Abs.*

Yes  No

Relinquished by: *Dawn Prell*

Relinquished by: *Shali Brown*

Relinquished by:





**Eurofins TestAmerica Canton Sample Receipt Form/Narrative** Login # : 150691  
**Canton Facility**


Client Southern Co Site Name \_\_\_\_\_ Cooler unpacked by: Matis  
Cooler Received on 6-4-21 Opened on 6-4-21  
FedEx: 1<sup>st</sup> Grd  UPS  FAS  Clipper  Client Drop Off  TestAmerica Courier  Other \_\_\_\_\_  
**Receipt After-hours: Drop-off Date/Time** \_\_\_\_\_ **Storage Location** \_\_\_\_\_

TestAmerica Cooler # 77 Foam Box  Client Cooler  Box  Other \_\_\_\_\_  
Packing material used: ~~Bubble~~ Wrap  Foam  Plastic Bag  None  Other \_\_\_\_\_  
COOLANT: ~~Water~~ Ice  Blue Ice  Dry Ice  Water  None

1. Cooler temperature upon receipt  See Multiple Cooler Form  
IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 4.3 °C Corrected Cooler Temp. 4.4 °C  
IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1  Yes  No  
-Were the seals on the outside of the cooler(s) signed & dated?  Yes  No  NA  
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?  Yes  No  NA  
-Were tamper/custody seals intact and uncompromised?  Yes  No  NA

3. Shippers' packing slip attached to the cooler(s)?  Yes  No  
4. Did custody papers accompany the sample(s)?  Yes  No  
5. Were the custody papers relinquished & signed in the appropriate place?  Yes  No  
6. Was/were the person(s) who collected the samples clearly identified on the COC?  Yes  No  
7. Did all bottles arrive in good condition (Unbroken)?  Yes  No  
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?  Yes  No  
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?  Yes  No  
10. Were correct bottle(s) used for the test(s) indicated?  Yes  No  
11. Sufficient quantity received to perform indicated analyses?  Yes  No  
12. Are these work share samples and all listed on the COC?  Yes  No  
If yes, Questions 13-17 have been checked at the originating laboratory.

13. Were all preserved sample(s) at the correct pH upon receipt?  Yes  No  NA pH Strip Lot# HC022887  
14. Were VOAs on the COC?  Yes  No  
15. Were air bubbles >6 mm in any VOA vials?  Yes  No  NA Larger than this.   
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # \_\_\_\_\_  Yes  No  
17. Was a LL Hg or Me Hg trip blank present? \_\_\_\_\_  Yes  No

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other \_\_\_\_\_  
Concerning \_\_\_\_\_

Tests that are not checked for pH by Receiving:  
VOAs  
Oil and Grease  
TOC

**18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**  additional next page Samples processed by: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**19. SAMPLE CONDITION**  
Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.  
Sample(s) \_\_\_\_\_ were received in a broken container.  
Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter. (Notify PM)

**20. SAMPLE PRESERVATION**  
Sample(s) \_\_\_\_\_ were further preserved in the laboratory.  
Time preserved: \_\_\_\_\_ Preservative(s) added/Lot number(s): \_\_\_\_\_  
VOA Sample Preservation - Date/Time VOAs Frozen: \_\_\_\_\_



Lift Using This Tag



1 B nt Testing  
10:30 4593  
06.04 a

RT 338  
FZ 339

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: 02JUN21  
ACTWGT: 52.25 LB  
CAD: 859116/CAFE3409

BILL THIRD PARTY

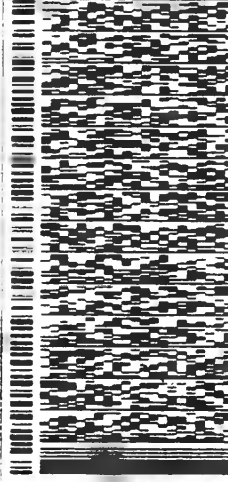
10 SAMPLE RECEIVING

EUROFINS TESTAMERICA N.CANTON  
4101 SHUFFEL ST. NW

NORTH CANTON OH 44720

(330) 487-9386

REF: GOLDER



FedEx  
Express

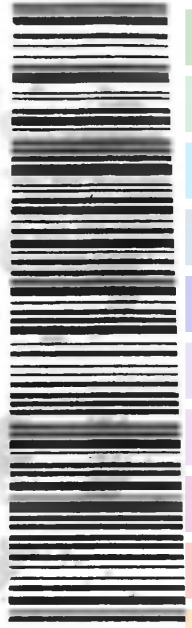


THU - 03 JUN 10:30  
PRIORITY OVERNIGHT

TRK# 1516 9330 4593  
0201

XH PHDA

44720  
OH-US CL



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

## ANALYTICAL REPORT

Eurofins TestAmerica, Canton  
4101 Shuffel Street NW  
North Canton, OH 44720  
Tel: (330)497-9396

Laboratory Job ID: 240-150685-1

Client Project/Site: Plant Scherer PAC Ash Cell Major Ions

**For:**

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

Attn: Joju Abraham



*Authorized for release by:  
6/9/2021 7:48:29 PM*

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

**?** Ask  
The  
Expert

Visit us at:

[www.eurofinaus.com/ETM](http://www.eurofinaus.com/ETM)

*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.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Method Summary . . . . .	5
Sample Summary . . . . .	6
Detection Summary . . . . .	7
Client Sample Results . . . . .	8
QC Sample Results . . . . .	15
QC Association Summary . . . . .	16
Lab Chronicle . . . . .	17
Certification Summary . . . . .	19
Chain of Custody . . . . .	20

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

---

**Job ID: 240-150685-1**

---

**Laboratory: Eurofins TestAmerica, Canton**

---

**Narrative**

**Job Narrative**  
**240-150685-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 6/4/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4° C.

**Field Service / Mobile Lab**

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

**General Chemistry**

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

Method	Method Description	Protocol	Laboratory
2320B-2011	Alkalinity, Total	SM	TAL CAN
Field Sampling	Field Sampling	EPA	TAL CAN

**Protocol References:**

EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-150685-1	GWA-46	Water	06/01/21 16:49	06/04/21 10:10	
240-150685-2	GWA-47	Water	06/01/21 15:18	06/04/21 10:10	
240-150685-3	GWA-48	Water	06/01/21 14:10	06/04/21 10:10	
240-150685-4	GWC-51	Water	06/02/21 11:05	06/04/21 10:10	
240-150685-5	GWC-52	Water	06/02/21 12:17	06/04/21 10:10	
240-150685-6	DUP-1 (PA)	Water	06/02/21 00:00	06/04/21 10:10	
240-150685-7	FB-1 (PA)	Water	06/02/21 12:33	06/04/21 10:10	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Detection Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

## Client Sample ID: GWA-46

## Lab Sample ID: 240-150685-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO <sub>3</sub>	33		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO <sub>3</sub>	33		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	5.80				SU	1		Field Sampling	Total/NA

## Client Sample ID: GWA-47

## Lab Sample ID: 240-150685-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO <sub>3</sub>	67		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO <sub>3</sub>	67		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	6.46				SU	1		Field Sampling	Total/NA

## Client Sample ID: GWA-48

## Lab Sample ID: 240-150685-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO <sub>3</sub>	64		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO <sub>3</sub>	64		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	6.78				SU	1		Field Sampling	Total/NA

## Client Sample ID: GWC-51

## Lab Sample ID: 240-150685-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO <sub>3</sub>	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO <sub>3</sub>	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	5.87				SU	1		Field Sampling	Total/NA

## Client Sample ID: GWC-52

## Lab Sample ID: 240-150685-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO <sub>3</sub>	49		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO <sub>3</sub>	49		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	6.60				SU	1		Field Sampling	Total/NA

## Client Sample ID: DUP-1 (PA)

## Lab Sample ID: 240-150685-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO <sub>3</sub>	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO <sub>3</sub>	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA

## Client Sample ID: FB-1 (PA)

## Lab Sample ID: 240-150685-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 240-150685-1**

Date Collected: 06/01/21 16:49

Matrix: Water

Date Received: 06/04/21 10:10

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	33		5.0	2.6	mg/L			06/07/21 22:14	1
Bicarbonate Alkalinity as CaCO3	33		5.0	2.6	mg/L			06/07/21 22:14	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:14	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	5.80				SU			06/01/21 16:49	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

**Client Sample ID: GWA-47**  
**Date Collected: 06/01/21 15:18**  
**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-2**  
**Matrix: Water**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	67		5.0	2.6	mg/L			06/07/21 22:18	1
Bicarbonate Alkalinity as CaCO3	67		5.0	2.6	mg/L			06/07/21 22:18	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:18	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.46				SU			06/01/21 15:18	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

**Client Sample ID: GWA-48**  
**Date Collected: 06/01/21 14:10**  
**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-3**  
**Matrix: Water**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	64		5.0	2.6	mg/L			06/07/21 22:24	1
Bicarbonate Alkalinity as CaCO3	64		5.0	2.6	mg/L			06/07/21 22:24	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:24	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.78				SU			06/01/21 14:10	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

**Client Sample ID: GWC-51**  
**Date Collected: 06/02/21 11:05**  
**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-4**  
**Matrix: Water**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	38		5.0	2.6	mg/L			06/07/21 22:28	1
Bicarbonate Alkalinity as CaCO3	38		5.0	2.6	mg/L			06/07/21 22:28	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:28	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	5.87				SU			06/02/21 11:05	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 240-150685-5**

Date Collected: 06/02/21 12:17

Matrix: Water

Date Received: 06/04/21 10:10

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	49		5.0	2.6	mg/L			06/07/21 22:44	1
Bicarbonate Alkalinity as CaCO3	49		5.0	2.6	mg/L			06/07/21 22:44	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:44	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.60				SU			06/02/21 12:17	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

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

**Lab Sample ID: 240-150685-6**

**Date Collected: 06/02/21 00:00**

**Matrix: Water**

**Date Received: 06/04/21 10:10**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	38		5.0	2.6	mg/L			06/07/21 22:47	1
Bicarbonate Alkalinity as CaCO3	38		5.0	2.6	mg/L			06/07/21 22:47	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:47	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

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

**Lab Sample ID: 240-150685-7**

**Date Collected: 06/02/21 12:33**

**Matrix: Water**

**Date Received: 06/04/21 10:10**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:51	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:51	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:51	1

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

## Method: 2320B-2011 - Alkalinity, Total

**Lab Sample ID: MB 240-489611/30**  
**Matrix: Water**  
**Analysis Batch: 489611**

**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	<2.6		5.0	2.6	mg/L			06/07/21 18:49	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 18:49	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 18:49	1

**Lab Sample ID: MB 240-489611/56**  
**Matrix: Water**  
**Analysis Batch: 489611**

**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	<2.6		5.0	2.6	mg/L			06/07/21 20:41	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 20:41	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 20:41	1

**Lab Sample ID: MB 240-489611/83**  
**Matrix: Water**  
**Analysis Batch: 489611**

**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	<2.6		5.0	2.6	mg/L			06/07/21 22:36	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:36	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:36	1

**Lab Sample ID: LCS 240-489611/55**  
**Matrix: Water**  
**Analysis Batch: 489611**

**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	66.8	67.9		mg/L		102	86 - 123

**Lab Sample ID: LCS 240-489611/82**  
**Matrix: Water**  
**Analysis Batch: 489611**

**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	66.8	68.4		mg/L		102	86 - 123

**Lab Sample ID: 240-150685-4 DU**  
**Matrix: Water**  
**Analysis Batch: 489611**

**Client Sample ID: GWC-51**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	38		37.1		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	38		37.1		mg/L		2	20
Carbonate Alkalinity as CaCO3	<2.6		<2.6		mg/L		NC	20



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

## General Chemistry

### Analysis Batch: 489611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150685-1	GWA-46	Total/NA	Water	2320B-2011	
240-150685-2	GWA-47	Total/NA	Water	2320B-2011	
240-150685-3	GWA-48	Total/NA	Water	2320B-2011	
240-150685-4	GWC-51	Total/NA	Water	2320B-2011	
240-150685-5	GWC-52	Total/NA	Water	2320B-2011	
240-150685-6	DUP-1 (PA)	Total/NA	Water	2320B-2011	
240-150685-7	FB-1 (PA)	Total/NA	Water	2320B-2011	
MB 240-489611/30	Method Blank	Total/NA	Water	2320B-2011	
MB 240-489611/56	Method Blank	Total/NA	Water	2320B-2011	
MB 240-489611/83	Method Blank	Total/NA	Water	2320B-2011	
LCS 240-489611/55	Lab Control Sample	Total/NA	Water	2320B-2011	
LCS 240-489611/82	Lab Control Sample	Total/NA	Water	2320B-2011	
240-150685-4 DU	GWC-51	Total/NA	Water	2320B-2011	

## Field Service / Mobile Lab

### Analysis Batch: 489358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150685-1	GWA-46	Total/NA	Water	Field Sampling	
240-150685-2	GWA-47	Total/NA	Water	Field Sampling	
240-150685-3	GWA-48	Total/NA	Water	Field Sampling	
240-150685-4	GWC-51	Total/NA	Water	Field Sampling	
240-150685-5	GWC-52	Total/NA	Water	Field Sampling	

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

**Client Sample ID: GWA-46**

**Date Collected: 06/01/21 16:49**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:14	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 16:49	FS	TAL CAN

**Client Sample ID: GWA-47**

**Date Collected: 06/01/21 15:18**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:18	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 15:18	FS	TAL CAN

**Client Sample ID: GWA-48**

**Date Collected: 06/01/21 14:10**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:24	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 14:10	FS	TAL CAN

**Client Sample ID: GWC-51**

**Date Collected: 06/02/21 11:05**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:28	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/02/21 11:05	FS	TAL CAN

**Client Sample ID: GWC-52**

**Date Collected: 06/02/21 12:17**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:44	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/02/21 12:17	FS	TAL CAN

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

**Date Collected: 06/02/21 00:00**

**Date Received: 06/04/21 10:10**

**Lab Sample ID: 240-150685-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:47	JWW	TAL CAN

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

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

**Lab Sample ID: 240-150685-7**

**Date Collected: 06/02/21 12:33**

**Matrix: Water**

**Date Received: 06/04/21 10:10**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:51	JWW	TAL CAN

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell Major Ions

Job ID: 240-150685-1

## Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-21
Iowa	State	421	06-01-21 *
Kansas	NELAP	E-10336	04-30-21 *
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-21
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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

Eurofins TestAmerica, Canton

4.3/4.4

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

### Chain of Custody Record

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

**Regulatory Program:**  DW  NPDES  RCRA  Other

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

**Client Contact:**  
Joju Abraham  
Southern Company  
241 Ralph McGill Blvd SE B10185  
Atlanta, GA 30308  
JAbraham@southernco.com

**Site:** Georgia  
**P O #**

**Project Name:** CCR - Plant Scherer PAC Ash Cell Major Ions

**Site Contact:** Dawn Prell  
**Lab Contact:** Shaili Brown

**Date:** 6-2-2021  
**Carrier:**

**COC No:** 1 of 1 COCs

**Sampler:**  
**For Lab Use Only:**  
Walk-in Client  
Lab Sampling

**Job / SDG No.:**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Bicarbonate/carbonate Alkalinity	Sample Specific Notes
GWA-46	6-1-21	1649	G	GW	1			X	pH = 5.80
GWA-47	6-1-21	1518	G	GW	1			X	pH = 6.46
GWA-48	6-1-21	1410	G	GW	1			X	pH = 6.78
GWC-51	6-2-21	1105	G	GW	1			X	pH = 5.87
GWC-52	6-2-21	1217	G	GW	1			X	pH = 6.60
DUP-1 (PA)	6-2-21	.....	G	GW	1			X	
FB-1 (PA)	6-2-21	1233	G	W	1			X	

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

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

Non-Hazard  Flammable  5  Poison 6  Unknown

**Special Instructions/QC Requirements & Comments:**

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Barcode:**  
240-150685 Chain of Custody

**Custody Seal No.:** No  Yes

**Cooler Temp. (°C):** Obs'd \_\_\_\_\_ Cor'd \_\_\_\_\_

**Therm ID No.:**

**Relinquished by:** [Signature] Company [Signature] Company  
**Date/Time:** 6-2-21 1554 Date/Time: 6-4-21 1556  
[Signature] Company [Signature] Company  
**Date/Time:** 6-2-21 1554 Date/Time: 6-4-21 1010



<b>Eurofins TestAmerica Canton Sample Receipt Form/Narrative</b>		Login # : <u>150695</u>
<b>Canton Facility</b>		
Client <u>Southern Co</u>	Site Name _____	Cooler unpacked by: <u>Matls</u>
Cooler Received on <u>6-4-21</u>	Opened on <u>6-4-21</u>	
FedEx: 1 <sup>st</sup> Grd <input checked="" type="checkbox"/> UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____		
<b>Receipt After-hours: Drop-off Date/Time</b>		<b>Storage Location</b>
TestAmerica Cooler # <u>79</u>	Foam Box _____	Client Cooler _____
Packing material used: <u>Bubble Wrap</u>	Foam _____	Plastic Bag _____
COOLANT: <u>ver ice</u>	Blue Ice _____	Dry Ice _____
1. Cooler temperature upon receipt <input type="checkbox"/> See Multiple Cooler Form IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. <u>4.3</u> °C Corrected Cooler Temp. <u>4.4</u> °C IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C		
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u> <input checked="" type="checkbox"/> Yes No -Were the seals on the outside of the cooler(s) signed & dated? <input checked="" type="checkbox"/> Yes No NA -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No -Were tamper/custody seals intact and uncompromised? <input checked="" type="checkbox"/> Yes No NA		
3. Shippers' packing slip attached to the cooler(s)? <input checked="" type="checkbox"/> Yes No 4. Did custody papers accompany the sample(s)? <input checked="" type="checkbox"/> Yes No 5. Were the custody papers relinquished & signed in the appropriate place? <input checked="" type="checkbox"/> Yes No 6. Was/were the person(s) who collected the samples clearly identified on the COC? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No 7. Did all bottles arrive in good condition (Unbroken)? <input checked="" type="checkbox"/> Yes No 8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? <input checked="" type="checkbox"/> Yes No 9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No 10. Were correct bottle(s) used for the test(s) indicated? <input checked="" type="checkbox"/> Yes No 11. Sufficient quantity received to perform indicated analyses? <input checked="" type="checkbox"/> Yes No 12. Are these work share samples and all listed on the COC? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt? <input checked="" type="checkbox"/> Yes No <input checked="" type="checkbox"/> NA pH Strip Lot# <u>HC022887</u> 14. Were VOAs on the COC? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No 15. Were air bubbles >6 mm in any VOA vials? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> NA  ← Larger than this. 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No 17. Was a LL Hg or Me Hg trip blank present? _____ <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____ Concerning _____		
<b>18. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES</b> <input type="checkbox"/> additional next page		Samples processed by: <u>Ryan</u>
_____ _____ _____		
<b>19. SAMPLE CONDITION</b>		
Sample(s) _____ were received after the recommended holding time had expired.		
Sample(s) _____ were received in a broken container.		
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)		
<b>20. SAMPLE PRESERVATION</b>		
Sample(s) _____ were further preserved in the laboratory.		
Time preserved: _____ Preservative(s) added/Lot number(s): _____		
VOA Sample Preservation - Date/Time VOAs Frozen: _____		

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13

**APPENDIX B**

Laboratory Analytical Data  
August 2021

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-125776-1  
Client Project/Site: Plant Scherer Cell 1  
Revision: 1

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

Attn: Joju Abraham



Authorized for release by:  
9/28/2021 10:25:30 AM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	19
QC Sample Results . . . . .	45
QC Association Summary . . . . .	65
Chain of Custody . . . . .	74
Receipt Checklists . . . . .	82

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Job ID: 180-125776-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

### Job Narrative 180-125776-1

#### Comments

092821 Revised report to correct field pH value of the following sample at client request: GWC-1 A revised COC has also been included. This report replaces the report previously issued on 090721.

#### Receipt

The samples were received on 8/13/2021 2:30 PM, 8/14/2021 9:00 AM, 8/19/2021 9:15 AM and 8/20/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 2.4° C, 3.2° C, 3.4° C, 3.5° C, 3.6° C, 3.6° C, 3.6° C, 3.8° C, 4.2° C and 4.5° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

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

#### GC Semi VOA

Method 300.0: The continuing calibration verification (CCV) associated with batch 180-368242 recovered above the upper control limit for Sulfate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EB-2 (180-125776-3).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-369715 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### Metals

Methods 6020, 6020B: The continuing calibration verification (CCV) associated with batch 180-368648 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWC-2 (180-125793-1), GWC-3 (180-125793-2), GWC-4 (180-125793-3) and (CCV 180-368648/149).

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-368936 recovered above the upper control limit for boron. Some samples associated with this CCV were non-detects for boron or were below its reporting limit (RL); therefore, the data have been reported. The associated samples are impacted: DUP-1 (180-125793-7) and FB-2 (180-125793-8).

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

#### Field Service / Mobile Lab

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

#### General Chemistry

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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-125776-1	FB-1	Water	08/11/21 15:49	08/13/21 14:30
180-125776-2	EB-1	Water	08/11/21 11:20	08/13/21 14:30
180-125776-3	EB-2	Water	08/11/21 15:55	08/13/21 14:30
180-125777-1	GWC-6	Water	08/11/21 15:14	08/13/21 14:30
180-125777-2	GWC-7	Water	08/11/21 13:35	08/13/21 14:30
180-125777-3	GWC-11	Water	08/11/21 15:55	08/13/21 14:30
180-125777-4	GWC-12	Water	08/11/21 13:35	08/13/21 14:30
180-125777-5	GWC-13	Water	08/11/21 12:45	08/13/21 14:30
180-125777-6	GWC-14	Water	08/11/21 11:20	08/13/21 14:30
180-125777-7	GWA-15	Water	08/11/21 09:45	08/13/21 14:30
180-125777-8	GWA-16	Water	08/11/21 12:19	08/13/21 14:30
180-125777-9	GWA-17	Water	08/11/21 10:05	08/13/21 14:30
180-125777-10	GWC-18	Water	08/11/21 15:13	08/13/21 14:30
180-125777-11	GWC-19	Water	08/11/21 11:10	08/13/21 14:30
180-125777-12	GWC-20	Water	08/11/21 12:30	08/13/21 14:30
180-125793-1	GWC-2	Water	08/12/21 11:26	08/14/21 09:00
180-125793-2	GWC-3	Water	08/12/21 11:01	08/14/21 09:00
180-125793-3	GWC-4	Water	08/12/21 12:10	08/14/21 09:00
180-125793-4	GWC-5	Water	08/12/21 10:11	08/14/21 09:00
180-125793-5	GWC-8A	Water	08/12/21 11:54	08/14/21 09:00
180-125793-6	GWC-9	Water	08/12/21 14:10	08/14/21 09:00
180-125793-7	DUP-1	Water	08/12/21 00:00	08/14/21 09:00
180-125793-8	FB-2	Water	08/12/21 12:30	08/14/21 09:00
180-125793-9	DUP-2	Water	08/12/21 00:00	08/14/21 09:00
180-125975-1	GWC-10	Water	08/17/21 15:35	08/19/21 09:15
180-126061-1	GWC-1	Water	08/18/21 16:22	08/20/21 09:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Client Sample ID: FB-1

## Lab Sample ID: 180-125776-1

Date Collected: 08/11/21 15:49

Matrix: Water

Date Received: 08/13/21 14:30

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 Instrument ID: CHIC2100A		1			368242	08/17/21 16:38	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:52	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 13:53	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT

## Client Sample ID: EB-1

## Lab Sample ID: 180-125776-2

Date Collected: 08/11/21 11:20

Matrix: Water

Date Received: 08/13/21 14:30

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 Instrument ID: CHIC2100A		1			368242	08/17/21 16:54	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 19:03	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368990	08/24/21 10:44	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369225	08/25/21 10:33	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 13:54	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT

## Client Sample ID: EB-2

## Lab Sample ID: 180-125776-3

Date Collected: 08/11/21 15:55

Matrix: Water

Date Received: 08/13/21 14:30

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 Instrument ID: CHIC2100A		1			368242	08/17/21 17:41	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 19:07	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 13:55	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-6**  
**Date Collected: 08/11/21 15:14**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			368242	08/17/21 11:20	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 17:47	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 13:56	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368280	08/11/21 15:14	FDS	TAL PIT

**Client Sample ID: GWC-7**  
**Date Collected: 08/11/21 13:35**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			368242	08/17/21 12:08	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:05	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 13:57	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368280	08/11/21 13:35	FDS	TAL PIT

**Client Sample ID: GWC-11**  
**Date Collected: 08/11/21 15:55**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			368242	08/17/21 12:24	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:08	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 13:58	KEM	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-125777-3**

**Date Collected: 08/11/21 15:55**

**Matrix: Water**

**Date Received: 08/13/21 14:30**

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	368409	08/18/21 11:23	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			368280	08/11/21 15:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-125777-4**

**Date Collected: 08/11/21 13:35**

**Matrix: Water**

**Date Received: 08/13/21 14:30**

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			368242	08/17/21 12:40	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368509	08/18/21 18:12	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368372	08/17/21 13:59	KEM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368280	08/11/21 13:35	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-125777-5**

**Date Collected: 08/11/21 12:45**

**Matrix: Water**

**Date Received: 08/13/21 14:30**

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			368242	08/17/21 12:55	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368509	08/18/21 18:23	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368372	08/17/21 14:00	KEM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368280	08/11/21 12:45	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-14**  
**Date Collected: 08/11/21 11:20**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-6**  
**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 Instrument ID: CHIC2100A		1			368242	08/17/21 13:11	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:27	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 14:04	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368280	08/11/21 11:20	FDS	TAL PIT

**Client Sample ID: GWA-15**  
**Date Collected: 08/11/21 09:45**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			368242	08/17/21 13:59	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:30	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 14:05	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368280	08/11/21 09:45	FDS	TAL PIT

**Client Sample ID: GWA-16**  
**Date Collected: 08/11/21 12:19**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			368242	08/17/21 14:15	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:34	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 14:06	KEM	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Client Sample ID: GWA-16

Lab Sample ID: 180-125777-8

Date Collected: 08/11/21 12:19

Matrix: Water

Date Received: 08/13/21 14:30

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	368409	08/18/21 11:23	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			368280	08/11/21 12:19	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-17

Lab Sample ID: 180-125777-9

Date Collected: 08/11/21 10:05

Matrix: Water

Date Received: 08/13/21 14:30

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			368242	08/17/21 14:31	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368509	08/18/21 18:38	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368372	08/17/21 14:07	KEM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368280	08/11/21 10:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-18

Lab Sample ID: 180-125777-10

Date Collected: 08/11/21 15:13

Matrix: Water

Date Received: 08/13/21 14:30

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			368242	08/17/21 15:17	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368509	08/18/21 18:41	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368372	08/17/21 14:08	KEM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368409	08/18/21 11:23	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368280	08/11/21 15:13	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-19**  
**Date Collected: 08/11/21 11:10**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			368242	08/17/21 15:33	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:45	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 14:09	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368461	08/18/21 17:01	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368280	08/11/21 11:10	FDS	TAL PIT

**Client Sample ID: GWC-20**  
**Date Collected: 08/11/21 12:30**  
**Date Received: 08/13/21 14:30**

**Lab Sample ID: 180-125777-12**  
**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 Instrument ID: CHIC2100A		1			368242	08/17/21 16:22	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368134	08/16/21 10:16	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368509	08/18/21 18:49	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	368264	08/17/21 09:18	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			368372	08/17/21 14:10	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368461	08/18/21 17:01	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368280	08/11/21 12:30	FDS	TAL PIT

**Client Sample ID: GWC-2**  
**Date Collected: 08/12/21 11:26**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			369715	08/31/21 15:33	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368648	08/19/21 20:41	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368758	08/20/21 15:21	RSK	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-2**  
**Date Collected: 08/12/21 11:26**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-1**  
**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	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:58	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 11:26	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-3**  
**Date Collected: 08/12/21 11:01**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-2**  
**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			369715	08/31/21 16:26	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:45	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 15:25	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:59	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 11:01	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-4**  
**Date Collected: 08/12/21 12:10**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-3**  
**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			369715	08/31/21 16:44	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:48	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 15:28	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 16:00	KEM	TAL PIT
Instrument ID: HGZ										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-4**

**Date Collected: 08/12/21 12:10**

**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 12:10	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-5**

**Date Collected: 08/12/21 10:11**

**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-4**

**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			369715	08/31/21 17:02	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 16:04	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369088	08/24/21 13:24	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 16:01	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 10:11	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-8A**

**Date Collected: 08/12/21 11:54**

**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-5**

**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			369715	08/31/21 17:20	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 16:23	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369088	08/24/21 13:44	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 16:02	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 11:54	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-9**  
**Date Collected: 08/12/21 14:10**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-6**  
**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			369715	08/31/21 17:38	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 16:26	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369088	08/24/21 13:47	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 16:03	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368602	08/19/21 13:39	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 14:10	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: DUP-1**  
**Date Collected: 08/12/21 00:00**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-7**  
**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			369715	08/31/21 18:32	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 16:29	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 16:06	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368602	08/19/21 13:39	KMM	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB-2**  
**Date Collected: 08/12/21 12:30**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125793-8**  
**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			369715	08/31/21 18:50	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 16:32	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 16:07	KEM	TAL PIT
Instrument ID: HGZ										

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Client Sample ID: FB-2

Date Collected: 08/12/21 12:30

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125793-8

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	SM 2540C		1	100 mL	100 mL	368602	08/19/21 13:39	KMM	TAL PIT

## Client Sample ID: DUP-2

Date Collected: 08/12/21 00:00

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125793-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			369715	08/31/21 19:07	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			368936	08/23/21 16:35	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369088	08/24/21 13:49	RJR	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			368918	08/23/21 16:08	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368602	08/19/21 13:39	KMM	TAL PIT

## Client Sample ID: GWC-10

Date Collected: 08/17/21 15:35

Date Received: 08/19/21 09:15

## Lab Sample ID: 180-125975-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			369715	08/31/21 23:17	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 21:21	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			369203	08/25/21 15:08	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369637	08/17/21 15:35	FDS	TAL PIT

## Client Sample ID: GWC-1

Date Collected: 08/18/21 16:22

Date Received: 08/20/21 09:30

## Lab Sample ID: 180-126061-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			370035	09/02/21 17:13	J1T	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-1**

**Lab Sample ID: 180-126061-1**

**Date Collected: 08/18/21 16:22**

**Matrix: Water**

**Date Received: 08/20/21 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 16:37	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369368	08/26/21 13:19	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369368	08/26/21 14:44	RJR	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			369675	08/30/21 16:28	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/18/21 16:22	FDS	TAL PIT

**Laboratory References:**

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

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

AMD = Alysha Donlan

MM1 = Mary Beth Miller

TLP = Tara Peterson

Batch Type: Analysis

FDS = Sampler Field

J1T = Jianwu Tang

KEM = Kimberly Mahoney

KMM = Kendric Moore

RJR = Ron Rosenbaum

RSK = Robert Kurtz

SAB = Sharon Bacha

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: FB-1**

**Lab Sample ID: 180-125776-1**

Date Collected: 08/11/21 15:49

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/17/21 16:38	1
<b>Fluoride</b>	<b>0.045</b>	<b>J</b>	0.10	0.026	mg/L			08/17/21 16:38	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:52	1
Barium	<0.0016		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:52	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:52	1
Calcium	<0.13		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:52	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:52	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:52	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 13:53	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/18/21 11:23	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: EB-1**

**Lab Sample ID: 180-125776-2**

Date Collected: 08/11/21 11:20

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/17/21 16:54	1
<b>Fluoride</b>	<b>0.026</b>	<b>J</b>	0.10	0.026	mg/L			08/17/21 16:54	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 19:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 19:03	1
<b>Barium</b>	<b>0.0022</b>	<b>J</b>	0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 19:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 19:03	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 19:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 19:03	1
Calcium	<0.13		0.50	0.13	mg/L		08/24/21 10:44	08/25/21 10:33	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 19:03	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 19:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 19:03	1
<b>Lead</b>	<b>0.00038</b>	<b>J</b>	0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 19:03	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 19:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 19:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 19:03	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 19:03	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 19:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 13:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/18/21 11:23	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: EB-2**

**Lab Sample ID: 180-125776-3**

Date Collected: 08/11/21 15:55

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/17/21 17:41	1
Fluoride	<0.026		0.10	0.026	mg/L			08/17/21 17:41	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 19:07	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 19:07	1
Barium	<0.0016		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 19:07	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 19:07	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 19:07	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 19:07	1
Calcium	<0.13		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 19:07	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 19:07	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 19:07	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 19:07	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 19:07	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 19:07	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 19:07	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 19:07	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 19:07	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 19:07	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 13:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/18/21 11:23	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-6**

**Lab Sample ID: 180-125777-1**

Date Collected: 08/11/21 15:14

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.5		1.0	0.71	mg/L			08/17/21 11:20	1
Fluoride	0.055	J	0.10	0.026	mg/L			08/17/21 11:20	1
Sulfate	11		1.0	0.76	mg/L			08/17/21 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 17:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 17:47	1
Barium	0.054		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 17:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 17:47	1
Boron	0.057	J	0.080	0.039	mg/L		08/16/21 10:16	08/18/21 17:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 17:47	1
Calcium	16		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 17:47	1
Chromium	0.0050		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 17:47	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 17:47	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 17:47	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 17:47	1
Nickel	0.00074	J	0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 17:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 17:47	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 17:47	1
Thallium	0.00020	J	0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 17:47	1
Vanadium	0.0099		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 17:47	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 13:56	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	160		10	10	mg/L			08/18/21 11:23	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			08/11/21 15:14	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-7**

**Lab Sample ID: 180-125777-2**

Date Collected: 08/11/21 13:35

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.0		1.0	0.71	mg/L			08/17/21 12:08	1
Fluoride	0.058	J	0.10	0.026	mg/L			08/17/21 12:08	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:05	1
Barium	0.036		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:05	1
Boron	0.056	J	0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:05	1
Calcium	14		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:05	1
Chromium	0.0092		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:05	1
Lead	0.00014	J	0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:05	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:05	1
Thallium	0.00043	J	0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:05	1
Vanadium	0.013		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 13:57	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			08/18/21 11:23	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.26				SU			08/11/21 13:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-125777-3**

Date Collected: 08/11/21 15:55

Matrix: Water

Date Received: 08/13/21 14:30

## 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			08/17/21 12:24	1
Fluoride	0.051	J	0.10	0.026	mg/L			08/17/21 12:24	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:08	1
Barium	0.017		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:08	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:08	1
Calcium	13		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:08	1
Chromium	0.0078		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:08	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:08	1
Nickel	0.00060	J	0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:08	1
Vanadium	0.011		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:08	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		08/17/21 09:18	08/17/21 13:58	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			08/18/21 11:23	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.21				SU			08/11/21 15:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-125777-4**

Date Collected: 08/11/21 13:35

Matrix: Water

Date Received: 08/13/21 14:30

**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			08/17/21 12:40	1
Fluoride	0.029	J	0.10	0.026	mg/L			08/17/21 12:40	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:12	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:12	1
Barium	0.018		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:12	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:12	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:12	1
Calcium	1.0		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:12	1
Cobalt	0.00033	J	0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:12	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:12	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:12	1
Nickel	0.00080	J	0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:12	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:12	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:12	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:12	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:12	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:12	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		08/17/21 09:18	08/17/21 13:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	18		10	10	mg/L			08/18/21 11:23	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.20				SU			08/11/21 13:35	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-125777-5**

Date Collected: 08/11/21 12:45

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.6		1.0	0.71	mg/L			08/17/21 12:55	1
Fluoride	0.045	J	0.10	0.026	mg/L			08/17/21 12:55	1
Sulfate	0.89	J	1.0	0.76	mg/L			08/17/21 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:23	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:23	1
Barium	0.037		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:23	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:23	1
Calcium	6.7		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:23	1
Chromium	0.0051		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:23	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:23	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:23	1
Vanadium	0.0013		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:23	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		08/17/21 09:18	08/17/21 14:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	75		10	10	mg/L			08/18/21 11:23	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			08/11/21 12:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-14**

**Lab Sample ID: 180-125777-6**

Date Collected: 08/11/21 11:20

Matrix: Water

Date Received: 08/13/21 14:30

### 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			08/17/21 13:11	1
Fluoride	0.045	J	0.10	0.026	mg/L			08/17/21 13:11	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:27	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:27	1
Barium	0.012		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:27	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:27	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:27	1
Calcium	6.9		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:27	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:27	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:27	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:27	1
Vanadium	0.0012		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:27	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:27	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		08/17/21 09:18	08/17/21 14:04	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	71		10	10	mg/L			08/18/21 11:23	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.61				SU			08/11/21 11:20	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWA-15**

**Lab Sample ID: 180-125777-7**

Date Collected: 08/11/21 09:45

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.2		1.0	0.71	mg/L			08/17/21 13:59	1
Fluoride	0.036	J	0.10	0.026	mg/L			08/17/21 13:59	1
Sulfate	1.3		1.0	0.76	mg/L			08/17/21 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:30	1
Barium	0.010		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:30	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:30	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:30	1
Calcium	4.1		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:30	1
Cobalt	0.0011	J	0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:30	1
Nickel	0.00051	J	0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:30	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:30	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		08/17/21 09:18	08/17/21 14:05	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	55		10	10	mg/L			08/18/21 11:23	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.50				SU			08/11/21 09:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-125777-8**

Date Collected: 08/11/21 12:19

Matrix: Water

Date Received: 08/13/21 14:30

### 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			08/17/21 14:15	1
Fluoride	0.050	J	0.10	0.026	mg/L			08/17/21 14:15	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:34	1
Barium	0.023		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:34	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:34	1
Calcium	11		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:34	1
Chromium	0.0059		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:34	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:34	1
Vanadium	0.0082		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 14:06	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			08/18/21 11:23	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			08/11/21 12:19	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWA-17**

**Lab Sample ID: 180-125777-9**

Date Collected: 08/11/21 10:05

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4		1.0	0.71	mg/L			08/17/21 14:31	1
Fluoride	0.053	J	0.10	0.026	mg/L			08/17/21 14:31	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:38	1
Barium	0.029		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:38	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:38	1
Calcium	7.3		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:38	1
Chromium	0.0089		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:38	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:38	1
Vanadium	0.0055		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 14:07	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	94		10	10	mg/L			08/18/21 11:23	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			08/11/21 10:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-125777-10**

Date Collected: 08/11/21 15:13

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.9		1.0	0.71	mg/L			08/17/21 15:17	1
Fluoride	0.062	J	0.10	0.026	mg/L			08/17/21 15:17	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:41	1
Barium	0.037		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:41	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:41	1
Calcium	10		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:41	1
Chromium	0.014		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:41	1
Cobalt	0.00021	J	0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:41	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:41	1
Vanadium	0.0080		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 14:08	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	98		10	10	mg/L			08/18/21 11:23	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.43				SU			08/11/21 15:13	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-125777-11**

Date Collected: 08/11/21 11:10

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.8		1.0	0.71	mg/L			08/17/21 15:33	1
Fluoride	0.047	J	0.10	0.026	mg/L			08/17/21 15:33	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:45	1
Barium	0.031		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:45	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:45	1
Calcium	17		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:45	1
Chromium	0.013		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:45	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:45	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:45	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:45	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:45	1
Vanadium	0.0076		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:45	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 14:09	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			08/18/21 17:01	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			08/11/21 11:10	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-125777-12**

Date Collected: 08/11/21 12:30

Matrix: Water

Date Received: 08/13/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.71	mg/L			08/17/21 16:22	1
Fluoride	0.051	J	0.10	0.026	mg/L			08/17/21 16:22	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 18:49	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 18:49	1
Barium	0.031		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 18:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 18:49	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 18:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 18:49	1
Calcium	14		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 18:49	1
Chromium	0.0087		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 18:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 18:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 18:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 18:49	1
Nickel	0.00056	J	0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 18:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 18:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 18:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 18:49	1
Vanadium	0.019		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 18:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 14:10	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			08/18/21 17:01	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.58				SU			08/11/21 12:30	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-2**

**Lab Sample ID: 180-125793-1**

Date Collected: 08/12/21 11:26

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5		1.0	0.71	mg/L			08/31/21 15:33	1
Fluoride	0.054	J F1	0.10	0.026	mg/L			08/31/21 15:33	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:41	1
Barium	0.048		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:41	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:41	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 15:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:41	1
Calcium	17		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:41	1
Chromium	0.012		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:41	1
Cobalt	0.00020	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:41	1
Copper	0.00078	J	0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:41	1
Nickel	0.0028		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:41	1
Vanadium	0.016		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 15:21	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		08/20/21 08:49	08/23/21 15:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			08/19/21 13:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.41				SU			08/12/21 11:26	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-3**

**Lab Sample ID: 180-125793-2**

Date Collected: 08/12/21 11:01

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.3		1.0	0.71	mg/L			08/31/21 16:26	1
Fluoride	0.084	J	0.10	0.026	mg/L			08/31/21 16:26	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:45	1
Barium	0.019		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:45	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:45	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 15:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:45	1
Calcium	6.6		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:45	1
Chromium	0.0085		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:45	1
Cobalt	0.00067	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:45	1
Copper	0.0019	J	0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:45	1
Lead	0.00014	J	0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:45	1
Nickel	0.0029		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:45	1
Vanadium	0.0087		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:45	1
Zinc	0.0035	J	0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 15:59	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	89		10	10	mg/L			08/19/21 13:32	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.12				SU			08/12/21 11:01	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-4**

**Lab Sample ID: 180-125793-3**

Date Collected: 08/12/21 12:10

Matrix: Water

Date Received: 08/14/21 09:00

### 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			08/31/21 16:44	1
Fluoride	0.11		0.10	0.026	mg/L			08/31/21 16:44	1
Sulfate	3.5		1.0	0.76	mg/L			08/31/21 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:48	1
Barium	0.049		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:48	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:48	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 15:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:48	1
Calcium	13		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:48	1
Chromium	0.0045		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:48	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:48	1
Nickel	0.00076	J	0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:48	1
Vanadium	0.0070		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 16:00	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			08/19/21 13:32	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.30				SU			08/12/21 12:10	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-125793-4**

Date Collected: 08/12/21 10:11

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22		1.0	0.71	mg/L			08/31/21 17:02	1
Fluoride	0.045	J	0.10	0.026	mg/L			08/31/21 17:02	1
Sulfate	140		1.0	0.76	mg/L			08/31/21 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:04	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:04	1
Barium	0.036		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:04	1
Beryllium	0.00022	J	0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:04	1
Boron	0.19		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 13:24	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:04	1
Calcium	46		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:04	1
Chromium	0.0053		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:04	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:04	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:04	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:04	1
Nickel	0.00061	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:04	1
Selenium	0.0088		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:04	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:04	1
Thallium	0.00037	J	0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:04	1
Vanadium	0.0021		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:04	1
Zinc	0.0034	J	0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 16:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	370		10	10	mg/L			08/19/21 13:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.87				SU			08/12/21 10:11	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-8A**

**Lab Sample ID: 180-125793-5**

Date Collected: 08/12/21 11:54

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.8		1.0	0.71	mg/L			08/31/21 17:20	1
Fluoride	0.087	J	0.10	0.026	mg/L			08/31/21 17:20	1
Sulfate	27		1.0	0.76	mg/L			08/31/21 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:23	1
Arsenic	0.00081	J	0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:23	1
Barium	0.026		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:23	1
Boron	0.23		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 13:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:23	1
Calcium	37		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:23	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:23	1
Cobalt	0.0019	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:23	1
Nickel	0.0035		0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:23	1
Thallium	0.00043	J	0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:23	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:23	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		08/20/21 08:49	08/23/21 16:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	240		10	10	mg/L			08/19/21 13:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			08/12/21 11:54	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-125793-6**

Date Collected: 08/12/21 14:10

Matrix: Water

Date Received: 08/14/21 09:00

### 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			08/31/21 17:38	1
Fluoride	0.085	J	0.10	0.026	mg/L			08/31/21 17:38	1
Sulfate	9.7		1.0	0.76	mg/L			08/31/21 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:26	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:26	1
Barium	0.023		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:26	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:26	1
Boron	0.10		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 13:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:26	1
Calcium	18		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:26	1
Chromium	0.0077		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:26	1
Cobalt	0.00013	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:26	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:26	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:26	1
Nickel	0.00045	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:26	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:26	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:26	1
Thallium	0.00016	J	0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:26	1
Vanadium	0.020		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:26	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:26	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		08/20/21 08:49	08/23/21 16:03	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			08/19/21 13:39	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.66				SU			08/12/21 14:10	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 180-125793-7**

Date Collected: 08/12/21 00:00

Matrix: Water

Date Received: 08/14/21 09:00

## 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			08/31/21 18:32	1
Fluoride	0.055	J	0.10	0.026	mg/L			08/31/21 18:32	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:29	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:29	1
Barium	0.046		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:29	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:29	1
Boron	<0.039	^+	0.080	0.039	mg/L		08/18/21 11:09	08/23/21 16:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:29	1
Calcium	17		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:29	1
Chromium	0.012		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:29	1
Cobalt	0.00019	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:29	1
Copper	0.00092	J	0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:29	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:29	1
Nickel	0.0024		0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:29	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:29	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:29	1
Vanadium	0.014		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:29	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 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		08/20/21 08:49	08/23/21 16:06	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			08/19/21 13:39	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: FB-2**

**Lab Sample ID: 180-125793-8**

Date Collected: 08/12/21 12:30

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/31/21 18:50	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 18:50	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:32	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:32	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:32	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:32	1
Boron	<0.039	^+	0.080	0.039	mg/L		08/18/21 11:09	08/23/21 16:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:32	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:32	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:32	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:32	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:32	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:32	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:32	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:32	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:32	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:32	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 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		08/20/21 08:49	08/23/21 16:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 13:39	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: DUP-2**

**Lab Sample ID: 180-125793-9**

Date Collected: 08/12/21 00:00

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.2		1.0	0.71	mg/L			08/31/21 19:07	1
Fluoride	0.087	J	0.10	0.026	mg/L			08/31/21 19:07	1
Sulfate	9.5		1.0	0.76	mg/L			08/31/21 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:35	1
Barium	0.023		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:35	1
Boron	0.095		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 13:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:35	1
Calcium	18		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:35	1
Chromium	0.0077		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:35	1
Nickel	0.00042	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:35	1
Vanadium	0.020		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 16:08	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			08/19/21 13:39	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-125975-1**

Date Collected: 08/17/21 15:35

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.1		1.0	0.71	mg/L			08/31/21 23:17	1
Fluoride	0.083	J	0.10	0.026	mg/L			08/31/21 23:17	1
Sulfate	1.2		1.0	0.76	mg/L			08/31/21 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 21:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 21:21	1
Barium	0.040		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 21:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 21:21	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 21:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 21:21	1
Calcium	18		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 21:21	1
Chromium	0.042		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 21:21	1
Cobalt	0.0035		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 21:21	1
Copper	0.0053		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 21:21	1
Lead	0.00044	J	0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 21:21	1
Nickel	0.0094		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 21:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 21:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 21:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 21:21	1
Vanadium	0.026		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 21:21	1
Zinc	0.013		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 21:21	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		08/23/21 12:47	08/25/21 15:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	160		10	10	mg/L			08/22/21 17:36	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.45				SU			08/17/21 15:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

**Client Sample ID: GWC-1**

**Lab Sample ID: 180-126061-1**

Date Collected: 08/18/21 16:22

Matrix: Water

Date Received: 08/20/21 09:30

**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			09/03/21 16:37	1
Fluoride	0.14		0.10	0.026	mg/L			09/03/21 16:37	1
Sulfate	0.79	J	1.0	0.76	mg/L			09/02/21 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/25/21 08:46	08/26/21 13:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 13:19	1
Barium	0.049		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 13:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 13:19	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 13:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 13:19	1
Calcium	18		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 13:19	1
Chromium	0.014		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 13:19	1
Cobalt	0.00025	J	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 13:19	1
Copper	0.0011	J	0.0020	0.00063	mg/L		08/25/21 08:46	08/26/21 14:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 13:19	1
Nickel	0.0017		0.0010	0.00034	mg/L		08/25/21 08:46	08/26/21 13:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 13:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/25/21 08:46	08/26/21 13:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 13:19	1
Vanadium	0.018		0.0010	0.00099	mg/L		08/25/21 08:46	08/26/21 13:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/25/21 08:46	08/26/21 13:19	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		08/27/21 13:00	08/30/21 16:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			08/25/21 11:13	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.59				SU			08/18/21 16:22	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: MB 180-368242/6**  
**Matrix: Water**  
**Analysis Batch: 368242**

**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			08/17/21 11:04	1
Fluoride	<0.026		0.10	0.026	mg/L			08/17/21 11:04	1
Sulfate	<0.76		1.0	0.76	mg/L			08/17/21 11:04	1

**Lab Sample ID: LCS 180-368242/5**  
**Matrix: Water**  
**Analysis Batch: 368242**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.1		mg/L		92	90 - 110
Fluoride	2.50	2.31		mg/L		92	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110

**Lab Sample ID: 180-125777-1 MS**  
**Matrix: Water**  
**Analysis Batch: 368242**

**Client Sample ID: GWC-6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.5		50.0	55.3		mg/L		97	90 - 110
Fluoride	0.055	J	2.50	2.50		mg/L		98	90 - 110
Sulfate	11		50.0	60.9		mg/L		100	90 - 110

**Lab Sample ID: 180-125777-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 368242**

**Client Sample ID: GWC-6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.5		50.0	54.5		mg/L		96	90 - 110	1	20
Fluoride	0.055	J	2.50	2.46		mg/L		96	90 - 110	1	20
Sulfate	11		50.0	59.6		mg/L		97	90 - 110	2	20

**Lab Sample ID: 180-125777-11 MS**  
**Matrix: Water**  
**Analysis Batch: 368242**

**Client Sample ID: GWC-19**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.8		50.0	54.2		mg/L		103	90 - 110
Fluoride	0.047	J	2.50	2.47		mg/L		97	90 - 110
Sulfate	<0.76		50.0	52.2		mg/L		104	90 - 110

**Lab Sample ID: 180-125777-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 368242**

**Client Sample ID: GWC-19**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.8		50.0	51.7		mg/L		98	90 - 110	5	20
Fluoride	0.047	J	2.50	2.41		mg/L		94	90 - 110	3	20
Sulfate	<0.76		50.0	49.8		mg/L		100	90 - 110	5	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: MB 180-369715/19**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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			08/31/21 15:15	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 15:15	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 15:15	1

**Lab Sample ID: LCS 180-369715/18**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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	48.1		mg/L		96	90 - 110
Fluoride	2.50	2.46		mg/L		98	90 - 110
Sulfate	50.0	47.5		mg/L		95	90 - 110

**Lab Sample ID: 180-125793-1 MS**  
**Matrix: Water**  
**Analysis Batch: 369715**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.5		50.0	55.9		mg/L		107	90 - 110
Fluoride	0.054	J F1	2.50	2.86	F1	mg/L		112	90 - 110
Sulfate	<0.76		50.0	53.2		mg/L		106	90 - 110

**Lab Sample ID: 180-125793-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 369715**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.5		50.0	55.2		mg/L		105	90 - 110	1	20
Fluoride	0.054	J F1	2.50	2.80		mg/L		110	90 - 110	2	20
Sulfate	<0.76		50.0	52.3		mg/L		105	90 - 110	2	20

**Lab Sample ID: 180-125795-A-2 MS**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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	12		50.0	62.2		mg/L		101	90 - 110
Fluoride	0.053	J	2.50	2.75		mg/L		108	90 - 110
Sulfate	64		50.0	110		mg/L		93	90 - 110

**Lab Sample ID: 180-125795-A-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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	12		50.0	62.3		mg/L		101	90 - 110	0	20
Fluoride	0.053	J	2.50	2.75		mg/L		108	90 - 110	0	20
Sulfate	64		50.0	111		mg/L		93	90 - 110	0	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: MB 180-370035/7**  
**Matrix: Water**  
**Analysis Batch: 370035**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.76		1.0	0.76	mg/L			09/02/21 09:32	1

**Lab Sample ID: LCS 180-370035/6**  
**Matrix: Water**  
**Analysis Batch: 370035**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	49.7		mg/L		99	90 - 110

**Lab Sample ID: 180-126059-C-11 MS**  
**Matrix: Water**  
**Analysis Batch: 370035**

**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	1.0		50.0	51.0		mg/L		100	90 - 110

**Lab Sample ID: 180-126059-C-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 370035**

**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	1.0		50.0	46.9		mg/L		92	90 - 110	8	20

**Lab Sample ID: MB 180-370188/7**  
**Matrix: Water**  
**Analysis Batch: 370188**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/03/21 10:14	1
Fluoride	<0.026		0.10	0.026	mg/L			09/03/21 10:14	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 10:14	1

**Lab Sample ID: LCS 180-370188/6**  
**Matrix: Water**  
**Analysis Batch: 370188**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.2		mg/L		98	90 - 110
Fluoride	2.50	2.65		mg/L		106	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110

**Lab Sample ID: 180-126059-C-11 MS**  
**Matrix: Water**  
**Analysis Batch: 370188**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.7		50.0	51.9		mg/L		98	90 - 110
Fluoride	0.16		2.50	2.71		mg/L		102	90 - 110
Sulfate	1.1		50.0	47.8		mg/L		94	90 - 110

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: 180-126059-C-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 370188**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.7		50.0	51.9		mg/L		98	90 - 110	0	20
Fluoride	0.16		2.50	2.66		mg/L		100	90 - 110	2	20
Sulfate	1.1		50.0	47.6		mg/L		93	90 - 110	1	20

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

**Lab Sample ID: MB 180-368134/1-A**  
**Matrix: Water**  
**Analysis Batch: 368509**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368134**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/16/21 10:16	08/18/21 21:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/16/21 10:16	08/18/21 21:21	1
Barium	<0.0016		0.010	0.0016	mg/L		08/16/21 10:16	08/18/21 21:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/16/21 10:16	08/18/21 21:21	1
Boron	<0.039		0.080	0.039	mg/L		08/16/21 10:16	08/18/21 21:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/16/21 10:16	08/18/21 21:21	1
Calcium	<0.13		0.50	0.13	mg/L		08/16/21 10:16	08/18/21 21:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/16/21 10:16	08/18/21 21:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/16/21 10:16	08/18/21 21:21	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/16/21 10:16	08/18/21 21:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/16/21 10:16	08/18/21 21:21	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/16/21 10:16	08/18/21 21:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/16/21 10:16	08/18/21 21:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/16/21 10:16	08/18/21 21:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/16/21 10:16	08/18/21 21:21	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/16/21 10:16	08/18/21 21:21	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/16/21 10:16	08/18/21 21:21	1

**Lab Sample ID: LCS 180-368134/2-A**  
**Matrix: Water**  
**Analysis Batch: 368509**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368134**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.282		mg/L		113	80 - 120
Arsenic	1.00	1.18		mg/L		118	80 - 120
Barium	1.00	1.16		mg/L		116	80 - 120
Beryllium	0.500	0.566		mg/L		113	80 - 120
Boron	1.25	1.35		mg/L		108	80 - 120
Cadmium	0.500	0.596		mg/L		119	80 - 120
Calcium	25.0	29.3		mg/L		117	80 - 120
Chromium	0.500	0.585		mg/L		117	80 - 120
Cobalt	0.500	0.577		mg/L		115	80 - 120
Copper	0.500	0.575		mg/L		115	80 - 120
Lead	0.500	0.590		mg/L		118	80 - 120
Nickel	0.500	0.580		mg/L		116	80 - 120
Selenium	1.00	1.19		mg/L		119	80 - 120
Silver	0.250	0.293		mg/L		117	80 - 120
Thallium	1.00	1.17		mg/L		117	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: LCS 180-368134/2-A**  
**Matrix: Water**  
**Analysis Batch: 368509**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368134**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.582		mg/L		116	80 - 120
Zinc	0.250	0.292		mg/L		117	80 - 120

**Lab Sample ID: 180-125777-1 MS**  
**Matrix: Water**  
**Analysis Batch: 368509**

**Client Sample ID: GWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368134**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.270		mg/L		108	75 - 125
Arsenic	<0.00031		1.00	1.14		mg/L		114	75 - 125
Barium	0.054		1.00	1.19		mg/L		113	75 - 125
Beryllium	<0.00018		0.500	0.548		mg/L		110	75 - 125
Boron	0.057	J	1.25	1.34		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.575		mg/L		115	75 - 125
Calcium	16		25.0	45.6		mg/L		117	75 - 125
Chromium	0.0050		0.500	0.580		mg/L		115	75 - 125
Cobalt	<0.00013		0.500	0.563		mg/L		113	75 - 125
Copper	<0.00063		0.500	0.563		mg/L		113	75 - 125
Lead	<0.00013		0.500	0.581		mg/L		116	75 - 125
Nickel	0.00074	J	0.500	0.560		mg/L		112	75 - 125
Selenium	<0.0015		1.00	1.17		mg/L		117	75 - 125
Silver	<0.00018		0.250	0.229		mg/L		92	75 - 125
Thallium	0.00020	J	1.00	1.15		mg/L		115	75 - 125
Vanadium	0.0099		0.500	0.577		mg/L		114	75 - 125
Zinc	<0.0032		0.250	0.276		mg/L		111	75 - 125

**Lab Sample ID: 180-125777-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 368509**

**Client Sample ID: GWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368134**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.251		mg/L		100	75 - 125	8	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	10	20
Barium	0.054		1.00	1.09		mg/L		103	75 - 125	9	20
Beryllium	<0.00018		0.500	0.499		mg/L		100	75 - 125	9	20
Boron	0.057	J	1.25	1.26		mg/L		96	75 - 125	6	20
Cadmium	<0.00022		0.500	0.528		mg/L		106	75 - 125	9	20
Calcium	16		25.0	42.4		mg/L		104	75 - 125	7	20
Chromium	0.0050		0.500	0.529		mg/L		105	75 - 125	9	20
Cobalt	<0.00013		0.500	0.512		mg/L		102	75 - 125	9	20
Copper	<0.00063		0.500	0.522		mg/L		104	75 - 125	7	20
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125	9	20
Nickel	0.00074	J	0.500	0.511		mg/L		102	75 - 125	9	20
Selenium	<0.0015		1.00	1.05		mg/L		105	75 - 125	11	20
Silver	<0.00018		0.250	0.262		mg/L		105	75 - 125	13	20
Thallium	0.00020	J	1.00	1.05		mg/L		105	75 - 125	9	20
Vanadium	0.0099		0.500	0.532		mg/L		104	75 - 125	8	20
Zinc	<0.0032		0.250	0.264		mg/L		106	75 - 125	5	20

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: MB 180-368401/1-A**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 18:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 18:19	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 18:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 18:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 18:19	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 18:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 18:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 18:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 18:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 18:19	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 18:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 18:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 18:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 18:19	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 18:19	1

**Lab Sample ID: MB 180-368401/1-A**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 12:40	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 12:40	1

**Lab Sample ID: LCS 180-368401/2-A**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Arsenic	1.00	1.04		mg/L		104	80 - 120	
Barium	1.00	1.03		mg/L		103	80 - 120	
Beryllium	0.500	0.503		mg/L		101	80 - 120	
Cadmium	0.500	0.521		mg/L		104	80 - 120	
Calcium	25.0	26.7		mg/L		107	80 - 120	
Chromium	0.500	0.515		mg/L		103	80 - 120	
Cobalt	0.500	0.515		mg/L		103	80 - 120	
Copper	0.500	0.500		mg/L		100	80 - 120	
Lead	0.500	0.520		mg/L		104	80 - 120	
Nickel	0.500	0.518		mg/L		104	80 - 120	
Selenium	1.00	1.01		mg/L		101	80 - 120	
Silver	0.250	0.261		mg/L		104	80 - 120	
Thallium	1.00	1.02		mg/L		102	80 - 120	
Vanadium	0.500	0.515		mg/L		103	80 - 120	

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: LCS 180-368401/2-A**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.23		mg/L		98	80 - 120
Zinc	0.250	0.247		mg/L		99	80 - 120

**Lab Sample ID: 180-125791-B-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.245		mg/L		98	75 - 125
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125
Barium	0.091		1.00	1.12		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.517		mg/L		103	75 - 125
Calcium	26		25.0	51.7		mg/L		104	75 - 125
Chromium	<0.0015		0.500	0.516		mg/L		103	75 - 125
Cobalt	0.0024	J	0.500	0.512		mg/L		102	75 - 125
Copper	<0.00063		0.500	0.504		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.523		mg/L		105	75 - 125
Nickel	0.00092	J	0.500	0.510		mg/L		102	75 - 125
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125
Vanadium	0.0017		0.500	0.517		mg/L		103	75 - 125

**Lab Sample ID: 180-125791-B-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	1.1		1.25	2.30		mg/L		98	75 - 125
Zinc	0.0060		0.250	0.251		mg/L		98	75 - 125

**Lab Sample ID: 180-125791-B-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.00038		0.250	0.246		mg/L		98	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	1	20
Barium	0.091		1.00	1.13		mg/L		104	75 - 125	0	20
Cadmium	<0.00022		0.500	0.523		mg/L		105	75 - 125	1	20
Calcium	26		25.0	52.7		mg/L		108	75 - 125	2	20
Chromium	<0.0015		0.500	0.518		mg/L		104	75 - 125	0	20
Cobalt	0.0024	J	0.500	0.515		mg/L		102	75 - 125	0	20
Copper	<0.00063		0.500	0.505		mg/L		101	75 - 125	0	20
Lead	<0.00013		0.500	0.521		mg/L		104	75 - 125	0	20
Nickel	0.00092	J	0.500	0.512		mg/L		102	75 - 125	0	20
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125	1	20
Silver	<0.00018		0.250	0.259		mg/L		104	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: 180-125791-B-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125	0	20
Vanadium	0.0017		0.500	0.521		mg/L		104	75 - 125	1	20

**Lab Sample ID: 180-125791-B-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	1.1		1.25	2.31		mg/L		98	75 - 125	0	20
Zinc	0.0060		0.250	0.251		mg/L		98	75 - 125	0	20

**Lab Sample ID: MB 180-368403/1-A**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 15:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 15:58	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 15:58	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 15:58	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:09	08/23/21 15:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 15:58	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 15:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 15:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 15:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 15:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 15:58	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 15:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 15:58	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 15:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 15:58	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 15:58	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 15:58	1

**Lab Sample ID: LCS 180-368403/2-A**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.238		mg/L		95	80 - 120
Arsenic	1.00	0.999		mg/L		100	80 - 120
Barium	1.00	0.992		mg/L		99	80 - 120
Beryllium	0.500	0.513		mg/L		103	80 - 120
Boron	1.25	1.38		mg/L		110	80 - 120
Cadmium	0.500	0.487		mg/L		97	80 - 120
Calcium	25.0	26.9		mg/L		108	80 - 120
Chromium	0.500	0.498		mg/L		100	80 - 120
Cobalt	0.500	0.480		mg/L		96	80 - 120
Copper	0.500	0.474		mg/L		95	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: LCS 180-368403/2-A**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.486		mg/L		97	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	0.250	0.247		mg/L		99	80 - 120
Thallium	1.00	1.01		mg/L		101	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.235		mg/L		94	80 - 120

**Lab Sample ID: 180-125793-4 MS**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.241		mg/L		97	75 - 125
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125
Barium	0.036		1.00	1.06		mg/L		102	75 - 125
Beryllium	0.00022	J	0.500	0.516		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.496		mg/L		99	75 - 125
Calcium	46		25.0	74.1		mg/L		114	75 - 125
Chromium	0.0053		0.500	0.491		mg/L		97	75 - 125
Cobalt	<0.00013		0.500	0.488		mg/L		98	75 - 125
Copper	<0.00063		0.500	0.478		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.507		mg/L		101	75 - 125
Nickel	0.00061	J	0.500	0.477		mg/L		95	75 - 125
Selenium	0.0088		1.00	1.03		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00037	J	1.00	1.02		mg/L		102	75 - 125
Vanadium	0.0021		0.500	0.502		mg/L		100	75 - 125
Zinc	0.0034	J	0.250	0.238		mg/L		94	75 - 125

**Lab Sample ID: 180-125793-4 MS**  
**Matrix: Water**  
**Analysis Batch: 369088**

**Client Sample ID: GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.19		1.25	1.52		mg/L		106	75 - 125

**Lab Sample ID: 180-125793-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.246		mg/L		98	75 - 125	2	20
Arsenic	<0.00031		1.00	1.09		mg/L		109	75 - 125	6	20
Barium	0.036		1.00	1.07		mg/L		103	75 - 125	1	20
Beryllium	0.00022	J	0.500	0.519		mg/L		104	75 - 125	1	20
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	4	20
Calcium	46		25.0	74.2		mg/L		114	75 - 125	0	20
Chromium	0.0053		0.500	0.489		mg/L		97	75 - 125	0	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: 180-125793-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	<0.00013		0.500	0.517		mg/L		103	75 - 125	6	20
Copper	<0.00063		0.500	0.501		mg/L		100	75 - 125	5	20
Lead	<0.00013		0.500	0.516		mg/L		103	75 - 125	2	20
Nickel	0.00061	J	0.500	0.504		mg/L		101	75 - 125	6	20
Selenium	0.0088		1.00	1.02		mg/L		101	75 - 125	1	20
Silver	<0.00018		0.250	0.264		mg/L		106	75 - 125	5	20
Thallium	0.00037	J	1.00	1.04		mg/L		104	75 - 125	1	20
Vanadium	0.0021		0.500	0.495		mg/L		99	75 - 125	1	20
Zinc	0.0034	J	0.250	0.258		mg/L		102	75 - 125	8	20

**Lab Sample ID: 180-125793-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 369088**

**Client Sample ID: GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	0.19		1.25	1.59		mg/L		112	75 - 125	5	20

**Lab Sample ID: MB 180-368730/1-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 19:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 19:25	1
Barium	<0.0016		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 19:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 19:25	1
Calcium	<0.13		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 19:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 19:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 19:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 19:25	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 19:25	1

**Lab Sample ID: LCS 180-368730/2-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.254		mg/L		102	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.506		mg/L		101	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: LCS 180-368730/2-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.32		mg/L		105	80 - 120
Cadmium	0.500	0.535		mg/L		107	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Copper	0.500	0.527		mg/L		105	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Nickel	0.500	0.515		mg/L		103	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.250	0.259		mg/L		104	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.515		mg/L		103	80 - 120
Zinc	0.250	0.259		mg/L		104	80 - 120

**Lab Sample ID: 180-125969-B-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.250		mg/L		100	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.015		1.00	1.08		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125
Boron	<0.039		1.25	1.31		mg/L		105	75 - 125
Cadmium	<0.00022		0.500	0.541		mg/L		108	75 - 125
Calcium	0.81		25.0	28.5		mg/L		111	75 - 125
Chromium	0.0015	J	0.500	0.519		mg/L		103	75 - 125
Cobalt	0.00039	J	0.500	0.513		mg/L		103	75 - 125
Copper	<0.00063		0.500	0.530		mg/L		106	75 - 125
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125
Nickel	0.00047	J	0.500	0.518		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.260		mg/L		104	75 - 125
Thallium	0.00015	J	1.00	1.06		mg/L		106	75 - 125
Vanadium	<0.00099		0.500	0.518		mg/L		104	75 - 125
Zinc	<0.0032		0.250	0.263		mg/L		105	75 - 125

**Lab Sample ID: 180-125969-B-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.252		mg/L		101	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	2	20
Barium	0.015		1.00	1.07		mg/L		105	75 - 125	1	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Boron	<0.039		1.25	1.38		mg/L		110	75 - 125	5	20
Cadmium	<0.00022		0.500	0.535		mg/L		107	75 - 125	1	20
Calcium	0.81		25.0	28.6		mg/L		111	75 - 125	0	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: 180-125969-B-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	0.0015	J	0.500	0.527		mg/L		105	75 - 125	1	20
Cobalt	0.00039	J	0.500	0.524		mg/L		105	75 - 125	2	20
Copper	<0.00063		0.500	0.534		mg/L		107	75 - 125	1	20
Lead	<0.00013		0.500	0.538		mg/L		108	75 - 125	1	20
Nickel	0.00047	J	0.500	0.524		mg/L		105	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	1	20
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125	0	20
Thallium	0.00015	J	1.00	1.08		mg/L		108	75 - 125	1	20
Vanadium	<0.00099		0.500	0.526		mg/L		105	75 - 125	2	20
Zinc	<0.0032		0.250	0.266		mg/L		106	75 - 125	1	20

**Lab Sample ID: MB 180-368990/1-A**  
**Matrix: Water**  
**Analysis Batch: 369225**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368990**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/24/21 10:44	08/25/21 10:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/24/21 10:44	08/25/21 10:37	1
Barium	<0.0016		0.010	0.0016	mg/L		08/24/21 10:44	08/25/21 10:37	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/24/21 10:44	08/25/21 10:37	1
Boron	<0.039		0.080	0.039	mg/L		08/24/21 10:44	08/25/21 10:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/24/21 10:44	08/25/21 10:37	1
Calcium	<0.13		0.50	0.13	mg/L		08/24/21 10:44	08/25/21 10:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/24/21 10:44	08/25/21 10:37	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/24/21 10:44	08/25/21 10:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/24/21 10:44	08/25/21 10:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/24/21 10:44	08/25/21 10:37	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/24/21 10:44	08/25/21 10:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/24/21 10:44	08/25/21 10:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/24/21 10:44	08/25/21 10:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/24/21 10:44	08/25/21 10:37	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/24/21 10:44	08/25/21 10:37	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/24/21 10:44	08/25/21 10:37	1

**Lab Sample ID: LCS 180-368990/2-A**  
**Matrix: Water**  
**Analysis Batch: 369225**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368990**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.244		mg/L		97	80 - 120
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.503		mg/L		101	80 - 120
Boron	1.25	1.25		mg/L		100	80 - 120
Cadmium	0.500	0.523		mg/L		105	80 - 120
Calcium	25.0	27.2		mg/L		109	80 - 120
Chromium	0.500	0.520		mg/L		104	80 - 120
Cobalt	0.500	0.513		mg/L		103	80 - 120
Copper	0.500	0.511		mg/L		102	80 - 120

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: LCS 180-368990/2-A**  
**Matrix: Water**  
**Analysis Batch: 369225**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368990**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.525		mg/L		105	80 - 120
Nickel	0.500	0.513		mg/L		103	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	0.250	0.256		mg/L		103	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	0.500	0.511		mg/L		102	80 - 120
Zinc	0.250	0.258		mg/L		103	80 - 120

**Lab Sample ID: 180-126095-A-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 369225**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368990**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.245		mg/L		98	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	<0.0016		1.00	1.04		mg/L		104	75 - 125
Beryllium	<0.00018		0.500	0.488		mg/L		98	75 - 125
Cadmium	<0.00022		0.500	0.519		mg/L		104	75 - 125
Calcium	<0.13		25.0	26.9		mg/L		108	75 - 125
Chromium	<0.0015		0.500	0.517		mg/L		103	75 - 125
Cobalt	<0.00013		0.500	0.509		mg/L		102	75 - 125
Copper	<0.00063		0.500	0.504		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.523		mg/L		105	75 - 125
Nickel	<0.00034		0.500	0.515		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.254		mg/L		102	75 - 125
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125
Vanadium	<0.00099		0.500	0.511		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.255		mg/L		102	75 - 125

**Lab Sample ID: 180-126095-A-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369225**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368990**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.243		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	1	20
Barium	<0.0016		1.00	1.03		mg/L		103	75 - 125	1	20
Beryllium	<0.00018		0.500	0.477		mg/L		95	75 - 125	2	20
Cadmium	<0.00022		0.500	0.511		mg/L		102	75 - 125	2	20
Calcium	<0.13		25.0	27.6		mg/L		110	75 - 125	2	20
Chromium	<0.0015		0.500	0.527		mg/L		105	75 - 125	2	20
Cobalt	<0.00013		0.500	0.510		mg/L		102	75 - 125	0	20
Copper	<0.00063		0.500	0.507		mg/L		101	75 - 125	1	20
Lead	<0.00013		0.500	0.526		mg/L		105	75 - 125	0	20
Nickel	<0.00034		0.500	0.516		mg/L		103	75 - 125	0	20
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125	0	20
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125	0	20
Thallium	<0.00015		1.00	1.05		mg/L		105	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: 180-126095-A-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369225**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368990**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	<0.00099		0.500	0.519		mg/L		104	75 - 125	2	20
Zinc	<0.0032		0.250	0.253		mg/L		101	75 - 125	1	20

**Lab Sample ID: MB 180-369118/1-A**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369118**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/25/21 08:46	08/27/21 09:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/27/21 09:52	1
Barium	<0.0016		0.010	0.0016	mg/L		08/25/21 08:46	08/27/21 09:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/27/21 09:52	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/27/21 09:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/27/21 09:52	1
Calcium	<0.13		0.50	0.13	mg/L		08/25/21 08:46	08/27/21 09:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/27/21 09:52	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/27/21 09:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/25/21 08:46	08/27/21 09:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/27/21 09:52	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/25/21 08:46	08/27/21 09:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/27/21 09:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/25/21 08:46	08/27/21 09:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/27/21 09:52	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/25/21 08:46	08/27/21 09:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/25/21 08:46	08/27/21 09:52	1

**Lab Sample ID: LCS 180-369118/2-A**  
**Matrix: Water**  
**Analysis Batch: 369368**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369118**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.232		mg/L		93	80 - 120
Arsenic	1.00	0.998		mg/L		100	80 - 120
Barium	1.00	0.971		mg/L		97	80 - 120
Beryllium	0.500	0.500		mg/L		100	80 - 120
Boron	1.25	1.28		mg/L		102	80 - 120
Cadmium	0.500	0.484		mg/L		97	80 - 120
Calcium	25.0	26.4		mg/L		105	80 - 120
Chromium	0.500	0.474		mg/L		95	80 - 120
Cobalt	0.500	0.474		mg/L		95	80 - 120
Copper	0.500	0.465		mg/L		93	80 - 120
Lead	0.500	0.489		mg/L		98	80 - 120
Nickel	0.500	0.477		mg/L		95	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.250	0.250		mg/L		100	80 - 120
Thallium	1.00	0.974		mg/L		97	80 - 120
Vanadium	0.500	0.478		mg/L		96	80 - 120
Zinc	0.250	0.235		mg/L		94	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: 180-126059-E-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 369368**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369118**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	%Rec. Limits
Antimony	<0.00038		0.250	0.234		mg/L		93	75 - 125	
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125	
Barium	0.036		1.00	1.03		mg/L		99	75 - 125	
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	
Cadmium	<0.00022		0.500	0.480		mg/L		96	75 - 125	
Calcium	5.9		25.0	32.3		mg/L		106	75 - 125	
Chromium	0.020		0.500	0.499		mg/L		96	75 - 125	
Cobalt	<0.00013		0.500	0.484		mg/L		97	75 - 125	
Copper	0.00089	J	0.500	0.466		mg/L		93	75 - 125	
Lead	<0.00013		0.500	0.501		mg/L		100	75 - 125	
Nickel	0.0069		0.500	0.483		mg/L		95	75 - 125	
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125	
Silver	<0.00018		0.250	0.258		mg/L		103	75 - 125	
Thallium	<0.00015		1.00	0.978		mg/L		98	75 - 125	
Vanadium	<0.00099		0.500	0.487		mg/L		97	75 - 125	
Zinc	0.0043	J	0.250	0.240		mg/L		94	75 - 125	

**Lab Sample ID: 180-126059-E-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369368**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369118**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.00038		0.250	0.236		mg/L		94	75 - 125	1	20
Arsenic	<0.00031		1.00	1.01		mg/L		101	75 - 125	1	20
Barium	0.036		1.00	1.03		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	0	20
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	0	20
Cadmium	<0.00022		0.500	0.484		mg/L		97	75 - 125	1	20
Calcium	5.9		25.0	31.9		mg/L		104	75 - 125	1	20
Chromium	0.020		0.500	0.495		mg/L		95	75 - 125	1	20
Cobalt	<0.00013		0.500	0.472		mg/L		94	75 - 125	2	20
Copper	0.00089	J	0.500	0.453		mg/L		90	75 - 125	3	20
Lead	<0.00013		0.500	0.493		mg/L		99	75 - 125	2	20
Nickel	0.0069		0.500	0.472		mg/L		93	75 - 125	2	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	1	20
Silver	<0.00018		0.250	0.249		mg/L		100	75 - 125	3	20
Thallium	<0.00015		1.00	0.991		mg/L		99	75 - 125	1	20
Vanadium	<0.00099		0.500	0.484		mg/L		97	75 - 125	1	20
Zinc	0.0043	J	0.250	0.236		mg/L		93	75 - 125	2	20

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

**Lab Sample ID: MB 180-368264/1-A**  
**Matrix: Water**  
**Analysis Batch: 368372**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368264**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/17/21 09:18	08/17/21 13:51	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: LCS 180-368264/2-A**  
**Matrix: Water**  
**Analysis Batch: 368372**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368264**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00271		mg/L		108	80 - 120

**Lab Sample ID: 180-125777-12 MS**  
**Matrix: Water**  
**Analysis Batch: 368372**

**Client Sample ID: GWC-20**  
**Prep Type: Total/NA**  
**Prep Batch: 368264**  
**%Rec.**

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

**Lab Sample ID: 180-125777-12 MSD**  
**Matrix: Water**  
**Analysis Batch: 368372**

**Client Sample ID: GWC-20**  
**Prep Type: Total/NA**  
**Prep Batch: 368264**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	2	20

**Lab Sample ID: MB 180-368677/1-A**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 15:45	1

**Lab Sample ID: LCS 180-368677/2-A**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00200		mg/L		80	80 - 120

**Lab Sample ID: 180-125792-B-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.000891		mg/L		89	75 - 125

**Lab Sample ID: 180-125792-B-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.000907		mg/L		91	75 - 125	2	20

**Lab Sample ID: MB 180-368875/1-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:47	08/25/21 14:44	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

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

**Lab Sample ID: LCS 180-368875/2-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

**Lab Sample ID: 180-125920-E-5-E MS**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.000932		mg/L		93	75 - 125

**Lab Sample ID: 180-125920-E-5-F MSD**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00100		mg/L		100	75 - 125	7	20

**Lab Sample ID: MB 180-369480/1-A**  
**Matrix: Water**  
**Analysis Batch: 369675**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 369480**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/27/21 13:00	08/30/21 16:20	1

**Lab Sample ID: LCS 180-369480/2-A**  
**Matrix: Water**  
**Analysis Batch: 369675**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 369480**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00228		mg/L		91	80 - 120

**Lab Sample ID: 180-125815-E-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 369675**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 369480**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.000962		mg/L		96	75 - 125

**Lab Sample ID: 180-125815-E-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 369675**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 369480**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.000906		mg/L		91	75 - 125	6	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-368409/2**  
**Matrix: Water**  
**Analysis Batch: 368409**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/18/21 11:23	1

**Lab Sample ID: LCS 180-368409/1**  
**Matrix: Water**  
**Analysis Batch: 368409**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	680		mg/L		99	80 - 120

**Lab Sample ID: 180-125624-C-3 DU**  
**Matrix: Water**  
**Analysis Batch: 368409**

**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	380		375		mg/L		0.8	10

**Lab Sample ID: 180-125777-1 DU**  
**Matrix: Water**  
**Analysis Batch: 368409**

**Client Sample ID: GWC-6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	160		157		mg/L		1	10

**Lab Sample ID: MB 180-368461/2**  
**Matrix: Water**  
**Analysis Batch: 368461**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/18/21 17:01	1

**Lab Sample ID: LCS 180-368461/1**  
**Matrix: Water**  
**Analysis Batch: 368461**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	674		mg/L		98	80 - 120

**Lab Sample ID: 180-125777-11 DU**  
**Matrix: Water**  
**Analysis Batch: 368461**

**Client Sample ID: GWC-19**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	120		131		mg/L		7	10

**Lab Sample ID: MB 180-368599/2**  
**Matrix: Water**  
**Analysis Batch: 368599**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 13:32	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: LCS 180-368599/1**  
**Matrix: Water**  
**Analysis Batch: 368599**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	656		mg/L		96	80 - 120

**Lab Sample ID: 180-125791-A-4 DU**  
**Matrix: Water**  
**Analysis Batch: 368599**

**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	55		54.0		mg/L		2	10

**Lab Sample ID: MB 180-368602/2**  
**Matrix: Water**  
**Analysis Batch: 368602**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 13:39	1

**Lab Sample ID: LCS 180-368602/1**  
**Matrix: Water**  
**Analysis Batch: 368602**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	668		mg/L		98	80 - 120

**Lab Sample ID: 180-125793-6 DU**  
**Matrix: Water**  
**Analysis Batch: 368602**

**Client Sample ID: GWC-9**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	150		145		mg/L		5	10

**Lab Sample ID: MB 180-368811/2**  
**Matrix: Water**  
**Analysis Batch: 368811**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/22/21 17:36	1

**Lab Sample ID: LCS 180-368811/1**  
**Matrix: Water**  
**Analysis Batch: 368811**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	704		mg/L		103	80 - 120

**Lab Sample ID: 180-125972-C-3 DU**  
**Matrix: Water**  
**Analysis Batch: 368811**

**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		126		mg/L		3	10

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-369160/2**  
**Matrix: Water**  
**Analysis Batch: 369160**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 11:13	1

**Lab Sample ID: LCS 180-369160/1**  
**Matrix: Water**  
**Analysis Batch: 369160**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	656		mg/L		96	80 - 120

**Lab Sample ID: 180-126059-C-8 DU**  
**Matrix: Water**  
**Analysis Batch: 369160**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	380		387		mg/L		1	10

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## HPLC/IC

### Analysis Batch: 368242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-1	FB-1	Total/NA	Water	EPA 300.0 R2.1	
180-125776-2	EB-1	Total/NA	Water	EPA 300.0 R2.1	
180-125776-3	EB-2	Total/NA	Water	EPA 300.0 R2.1	
180-125777-1	GWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-125777-2	GWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-125777-3	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-125777-4	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-125777-5	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-125777-6	GWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-125777-7	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-125777-8	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-125777-9	GWA-17	Total/NA	Water	EPA 300.0 R2.1	
180-125777-10	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-125777-11	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-125777-12	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
MB 180-368242/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-368242/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125777-1 MS	GWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-125777-1 MSD	GWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-125777-11 MS	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-125777-11 MSD	GWC-19	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 369715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total/NA	Water	EPA 300.0 R2.1	
180-125793-2	GWC-3	Total/NA	Water	EPA 300.0 R2.1	
180-125793-3	GWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-125793-4	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-125793-5	GWC-8A	Total/NA	Water	EPA 300.0 R2.1	
180-125793-6	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-125793-7	DUP-1	Total/NA	Water	EPA 300.0 R2.1	
180-125793-8	FB-2	Total/NA	Water	EPA 300.0 R2.1	
180-125793-9	DUP-2	Total/NA	Water	EPA 300.0 R2.1	
180-125975-1	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369715/19	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369715/18	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125793-1 MS	GWC-2	Total/NA	Water	EPA 300.0 R2.1	
180-125793-1 MSD	GWC-2	Total/NA	Water	EPA 300.0 R2.1	
180-125795-A-2 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-125795-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 370035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370035/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370035/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126059-C-11 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-126059-C-11 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## HPLC/IC

### Analysis Batch: 370188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370188/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370188/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126059-C-11 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-126059-C-11 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 368134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-1	FB-1	Total Recoverable	Water	3005A	
180-125776-2	EB-1	Total Recoverable	Water	3005A	
180-125776-3	EB-2	Total Recoverable	Water	3005A	
180-125777-1	GWC-6	Total Recoverable	Water	3005A	
180-125777-2	GWC-7	Total Recoverable	Water	3005A	
180-125777-3	GWC-11	Total Recoverable	Water	3005A	
180-125777-4	GWC-12	Total Recoverable	Water	3005A	
180-125777-5	GWC-13	Total Recoverable	Water	3005A	
180-125777-6	GWC-14	Total Recoverable	Water	3005A	
180-125777-7	GWA-15	Total Recoverable	Water	3005A	
180-125777-8	GWA-16	Total Recoverable	Water	3005A	
180-125777-9	GWA-17	Total Recoverable	Water	3005A	
180-125777-10	GWC-18	Total Recoverable	Water	3005A	
180-125777-11	GWC-19	Total Recoverable	Water	3005A	
180-125777-12	GWC-20	Total Recoverable	Water	3005A	
MB 180-368134/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368134/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125777-1 MS	GWC-6	Total Recoverable	Water	3005A	
180-125777-1 MSD	GWC-6	Total Recoverable	Water	3005A	

### Prep Batch: 368264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-1	FB-1	Total/NA	Water	7470A	
180-125776-2	EB-1	Total/NA	Water	7470A	
180-125776-3	EB-2	Total/NA	Water	7470A	
180-125777-1	GWC-6	Total/NA	Water	7470A	
180-125777-2	GWC-7	Total/NA	Water	7470A	
180-125777-3	GWC-11	Total/NA	Water	7470A	
180-125777-4	GWC-12	Total/NA	Water	7470A	
180-125777-5	GWC-13	Total/NA	Water	7470A	
180-125777-6	GWC-14	Total/NA	Water	7470A	
180-125777-7	GWA-15	Total/NA	Water	7470A	
180-125777-8	GWA-16	Total/NA	Water	7470A	
180-125777-9	GWA-17	Total/NA	Water	7470A	
180-125777-10	GWC-18	Total/NA	Water	7470A	
180-125777-11	GWC-19	Total/NA	Water	7470A	
180-125777-12	GWC-20	Total/NA	Water	7470A	
MB 180-368264/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368264/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125777-12 MS	GWC-20	Total/NA	Water	7470A	
180-125777-12 MSD	GWC-20	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Metals

### Analysis Batch: 368372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-1	FB-1	Total/NA	Water	EPA 7470A	368264
180-125776-2	EB-1	Total/NA	Water	EPA 7470A	368264
180-125776-3	EB-2	Total/NA	Water	EPA 7470A	368264
180-125777-1	GWC-6	Total/NA	Water	EPA 7470A	368264
180-125777-2	GWC-7	Total/NA	Water	EPA 7470A	368264
180-125777-3	GWC-11	Total/NA	Water	EPA 7470A	368264
180-125777-4	GWC-12	Total/NA	Water	EPA 7470A	368264
180-125777-5	GWC-13	Total/NA	Water	EPA 7470A	368264
180-125777-6	GWC-14	Total/NA	Water	EPA 7470A	368264
180-125777-7	GWA-15	Total/NA	Water	EPA 7470A	368264
180-125777-8	GWA-16	Total/NA	Water	EPA 7470A	368264
180-125777-9	GWA-17	Total/NA	Water	EPA 7470A	368264
180-125777-10	GWC-18	Total/NA	Water	EPA 7470A	368264
180-125777-11	GWC-19	Total/NA	Water	EPA 7470A	368264
180-125777-12	GWC-20	Total/NA	Water	EPA 7470A	368264
MB 180-368264/1-A	Method Blank	Total/NA	Water	EPA 7470A	368264
LCS 180-368264/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368264
180-125777-12 MS	GWC-20	Total/NA	Water	EPA 7470A	368264
180-125777-12 MSD	GWC-20	Total/NA	Water	EPA 7470A	368264

### Prep Batch: 368401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total Recoverable	Water	3005A	
180-125793-2	GWC-3	Total Recoverable	Water	3005A	
180-125793-3	GWC-4	Total Recoverable	Water	3005A	
MB 180-368401/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368401/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125791-B-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-125791-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 368403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-4	GWC-5	Total Recoverable	Water	3005A	
180-125793-5	GWC-8A	Total Recoverable	Water	3005A	
180-125793-6	GWC-9	Total Recoverable	Water	3005A	
180-125793-7	DUP-1	Total Recoverable	Water	3005A	
180-125793-8	FB-2	Total Recoverable	Water	3005A	
180-125793-9	DUP-2	Total Recoverable	Water	3005A	
MB 180-368403/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368403/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125793-4 MS	GWC-5	Total Recoverable	Water	3005A	
180-125793-4 MSD	GWC-5	Total Recoverable	Water	3005A	

### Analysis Batch: 368509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-1	FB-1	Total Recoverable	Water	EPA 6020B	368134
180-125776-2	EB-1	Total Recoverable	Water	EPA 6020B	368134
180-125776-3	EB-2	Total Recoverable	Water	EPA 6020B	368134
180-125777-1	GWC-6	Total Recoverable	Water	EPA 6020B	368134
180-125777-2	GWC-7	Total Recoverable	Water	EPA 6020B	368134
180-125777-3	GWC-11	Total Recoverable	Water	EPA 6020B	368134

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Metals (Continued)

### Analysis Batch: 368509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125777-4	GWC-12	Total Recoverable	Water	EPA 6020B	368134
180-125777-5	GWC-13	Total Recoverable	Water	EPA 6020B	368134
180-125777-6	GWC-14	Total Recoverable	Water	EPA 6020B	368134
180-125777-7	GWA-15	Total Recoverable	Water	EPA 6020B	368134
180-125777-8	GWA-16	Total Recoverable	Water	EPA 6020B	368134
180-125777-9	GWA-17	Total Recoverable	Water	EPA 6020B	368134
180-125777-10	GWC-18	Total Recoverable	Water	EPA 6020B	368134
180-125777-11	GWC-19	Total Recoverable	Water	EPA 6020B	368134
180-125777-12	GWC-20	Total Recoverable	Water	EPA 6020B	368134
MB 180-368134/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368134
LCS 180-368134/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368134
180-125777-1 MS	GWC-6	Total Recoverable	Water	EPA 6020B	368134
180-125777-1 MSD	GWC-6	Total Recoverable	Water	EPA 6020B	368134

### Analysis Batch: 368648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total Recoverable	Water	EPA 6020B	368401
180-125793-2	GWC-3	Total Recoverable	Water	EPA 6020B	368401
180-125793-3	GWC-4	Total Recoverable	Water	EPA 6020B	368401
MB 180-368401/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368401
LCS 180-368401/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368401
180-125791-B-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368401
180-125791-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368401

### Prep Batch: 368677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total/NA	Water	7470A	
180-125793-2	GWC-3	Total/NA	Water	7470A	
180-125793-3	GWC-4	Total/NA	Water	7470A	
180-125793-4	GWC-5	Total/NA	Water	7470A	
180-125793-5	GWC-8A	Total/NA	Water	7470A	
180-125793-6	GWC-9	Total/NA	Water	7470A	
180-125793-7	DUP-1	Total/NA	Water	7470A	
180-125793-8	FB-2	Total/NA	Water	7470A	
180-125793-9	DUP-2	Total/NA	Water	7470A	
MB 180-368677/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368677/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125792-B-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-125792-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 368730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125975-1	GWC-10	Total Recoverable	Water	3005A	
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 368758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total Recoverable	Water	EPA 6020B	368401

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Metals (Continued)

### Analysis Batch: 368758 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-2	GWC-3	Total Recoverable	Water	EPA 6020B	368401
180-125793-3	GWC-4	Total Recoverable	Water	EPA 6020B	368401
MB 180-368401/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368401
LCS 180-368401/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368401
180-125791-B-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368401
180-125791-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368401

### Prep Batch: 368875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125975-1	GWC-10	Total/NA	Water	7470A	
MB 180-368875/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	7470A	
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 368918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total/NA	Water	EPA 7470A	368677
180-125793-2	GWC-3	Total/NA	Water	EPA 7470A	368677
180-125793-3	GWC-4	Total/NA	Water	EPA 7470A	368677
180-125793-4	GWC-5	Total/NA	Water	EPA 7470A	368677
180-125793-5	GWC-8A	Total/NA	Water	EPA 7470A	368677
180-125793-6	GWC-9	Total/NA	Water	EPA 7470A	368677
180-125793-7	DUP-1	Total/NA	Water	EPA 7470A	368677
180-125793-8	FB-2	Total/NA	Water	EPA 7470A	368677
180-125793-9	DUP-2	Total/NA	Water	EPA 7470A	368677
MB 180-368677/1-A	Method Blank	Total/NA	Water	EPA 7470A	368677
LCS 180-368677/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368677
180-125792-B-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	368677
180-125792-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	368677

### Analysis Batch: 368936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-4	GWC-5	Total Recoverable	Water	EPA 6020B	368403
180-125793-5	GWC-8A	Total Recoverable	Water	EPA 6020B	368403
180-125793-6	GWC-9	Total Recoverable	Water	EPA 6020B	368403
180-125793-7	DUP-1	Total Recoverable	Water	EPA 6020B	368403
180-125793-8	FB-2	Total Recoverable	Water	EPA 6020B	368403
180-125793-9	DUP-2	Total Recoverable	Water	EPA 6020B	368403
MB 180-368403/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368403
LCS 180-368403/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368403
180-125793-4 MS	GWC-5	Total Recoverable	Water	EPA 6020B	368403
180-125793-4 MSD	GWC-5	Total Recoverable	Water	EPA 6020B	368403

### Prep Batch: 368990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-2	EB-1	Total Recoverable	Water	3005A	
MB 180-368990/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368990/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-126095-A-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-126095-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Metals

### Analysis Batch: 369088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-4	GWC-5	Total Recoverable	Water	EPA 6020B	368403
180-125793-5	GWC-8A	Total Recoverable	Water	EPA 6020B	368403
180-125793-6	GWC-9	Total Recoverable	Water	EPA 6020B	368403
180-125793-9	DUP-2	Total Recoverable	Water	EPA 6020B	368403
180-125793-4 MS	GWC-5	Total Recoverable	Water	EPA 6020B	368403
180-125793-4 MSD	GWC-5	Total Recoverable	Water	EPA 6020B	368403

### Analysis Batch: 369103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125975-1	GWC-10	Total Recoverable	Water	EPA 6020B	368730
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368730
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368730

### Prep Batch: 369118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total Recoverable	Water	3005A	
MB 180-369118/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-369118/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-126059-E-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-126059-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 369203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125975-1	GWC-10	Total/NA	Water	EPA 7470A	368875
MB 180-368875/1-A	Method Blank	Total/NA	Water	EPA 7470A	368875
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	368875

### Analysis Batch: 369225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-2	EB-1	Total Recoverable	Water	EPA 6020B	368990
MB 180-368990/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368990
LCS 180-368990/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368990
180-126095-A-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368990
180-126095-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368990

### Analysis Batch: 369368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total Recoverable	Water	EPA 6020B	369118
180-126061-1	GWC-1	Total Recoverable	Water	EPA 6020B	369118
LCS 180-369118/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	369118
180-126059-E-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	369118
180-126059-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	369118

### Prep Batch: 369480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total/NA	Water	7470A	
MB 180-369480/1-A	Method Blank	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Metals (Continued)

### Prep Batch: 369480 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-369480/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125815-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-125815-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 369490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-369118/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	369118

### Analysis Batch: 369675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total/NA	Water	EPA 7470A	369480
MB 180-369480/1-A	Method Blank	Total/NA	Water	EPA 7470A	369480
LCS 180-369480/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	369480
180-125815-E-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	369480
180-125815-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	369480

## General Chemistry

### Analysis Batch: 368409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125776-1	FB-1	Total/NA	Water	SM 2540C	
180-125776-2	EB-1	Total/NA	Water	SM 2540C	
180-125776-3	EB-2	Total/NA	Water	SM 2540C	
180-125777-1	GWC-6	Total/NA	Water	SM 2540C	
180-125777-2	GWC-7	Total/NA	Water	SM 2540C	
180-125777-3	GWC-11	Total/NA	Water	SM 2540C	
180-125777-4	GWC-12	Total/NA	Water	SM 2540C	
180-125777-5	GWC-13	Total/NA	Water	SM 2540C	
180-125777-6	GWC-14	Total/NA	Water	SM 2540C	
180-125777-7	GWA-15	Total/NA	Water	SM 2540C	
180-125777-8	GWA-16	Total/NA	Water	SM 2540C	
180-125777-9	GWA-17	Total/NA	Water	SM 2540C	
180-125777-10	GWC-18	Total/NA	Water	SM 2540C	
MB 180-368409/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368409/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125624-C-3 DU	Duplicate	Total/NA	Water	SM 2540C	
180-125777-1 DU	GWC-6	Total/NA	Water	SM 2540C	

### Analysis Batch: 368461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125777-11	GWC-19	Total/NA	Water	SM 2540C	
180-125777-12	GWC-20	Total/NA	Water	SM 2540C	
MB 180-368461/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368461/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125777-11 DU	GWC-19	Total/NA	Water	SM 2540C	

### Analysis Batch: 368599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total/NA	Water	SM 2540C	
180-125793-2	GWC-3	Total/NA	Water	SM 2540C	
180-125793-3	GWC-4	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## General Chemistry (Continued)

### Analysis Batch: 368599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-4	GWC-5	Total/NA	Water	SM 2540C	
180-125793-5	GWC-8A	Total/NA	Water	SM 2540C	
MB 180-368599/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368599/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125791-A-4 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 368602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-6	GWC-9	Total/NA	Water	SM 2540C	
180-125793-7	DUP-1	Total/NA	Water	SM 2540C	
180-125793-8	FB-2	Total/NA	Water	SM 2540C	
180-125793-9	DUP-2	Total/NA	Water	SM 2540C	
MB 180-368602/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368602/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125793-6 DU	GWC-9	Total/NA	Water	SM 2540C	

### Analysis Batch: 368811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125975-1	GWC-10	Total/NA	Water	SM 2540C	
MB 180-368811/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368811/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125972-C-3 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 369160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total/NA	Water	SM 2540C	
MB 180-369160/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369160/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-126059-C-8 DU	Duplicate	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 368200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125793-1	GWC-2	Total/NA	Water	Field Sampling	
180-125793-2	GWC-3	Total/NA	Water	Field Sampling	
180-125793-3	GWC-4	Total/NA	Water	Field Sampling	
180-125793-4	GWC-5	Total/NA	Water	Field Sampling	
180-125793-5	GWC-8A	Total/NA	Water	Field Sampling	
180-125793-6	GWC-9	Total/NA	Water	Field Sampling	

### Analysis Batch: 368280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125777-1	GWC-6	Total/NA	Water	Field Sampling	
180-125777-2	GWC-7	Total/NA	Water	Field Sampling	
180-125777-3	GWC-11	Total/NA	Water	Field Sampling	
180-125777-4	GWC-12	Total/NA	Water	Field Sampling	
180-125777-5	GWC-13	Total/NA	Water	Field Sampling	
180-125777-6	GWC-14	Total/NA	Water	Field Sampling	
180-125777-7	GWA-15	Total/NA	Water	Field Sampling	
180-125777-8	GWA-16	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-125776-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 368280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125777-9	GWA-17	Total/NA	Water	Field Sampling	
180-125777-10	GWC-18	Total/NA	Water	Field Sampling	
180-125777-11	GWC-19	Total/NA	Water	Field Sampling	
180-125777-12	GWC-20	Total/NA	Water	Field Sampling	

### Analysis Batch: 369637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125975-1	GWC-10	Total/NA	Water	Field Sampling	

### Analysis Batch: 369647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126061-1	GWC-1	Total/NA	Water	Field Sampling	



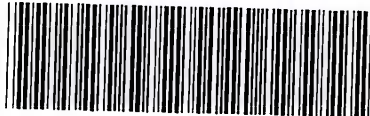


**TestAmerica Pittsburgh**  
 301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING  
 TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

<b>Client Contact</b>		<b>Project Manager: Dawn Prell</b>		<b>Site Contact: Dawn Prell</b>		<b>Date:</b>		<b>COC No:</b>		
Joju Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		_1_ of _1_ COCs		
Southern Company		<b>Analysis Turnaround Time</b>		Filtered Sample (Y/N) Perform MS/MSD (Y/N) 6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Vn, Zn Cl, F, SO4, TDS		 180-125777 Chain of Custody		Sampler:		
241 Ralph McGill Blvd SE B10185		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only:		
Atlanta, GA 30308		TAT if different from Below ___ 3-5 days ___						Walk-in Client:		
JAbraham@southernco.com		<input type="checkbox"/> 2 weeks						Sampling:		
Project Name: CCR - Plant Scherer Cell 1		<input type="checkbox"/> 1 week						/ SDG No.:		
Site: Georgia		<input type="checkbox"/> 2 days								
P O #		<input type="checkbox"/> 1 day								
<b>Sample Identification</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=Grab)</b>	<b>Matrix</b>	<b># of Cont.</b>			<b>Sample Specific Notes:</b>	
GWC-6		8/11/2021	15:14	G	GW	2	X	X	pH = 6.14	
GWC-7		8/11/2021	13:35	G	GW	2	X	X	pH = 6.26	
GWC-11		8/11/2021	15:55	G	GW	2	X	X	pH = 6.21	
GWC-12		8/11/2021	13:35	G	GW	2	X	X	pH = 5.20	
GWC-13		8/11/2021	12:45	G	GW	2	X	X	pH = 5.92	
GWC-14		8/11/2021	11:20	G	GW	2	X	X	pH = 5.61	
GWA-15		8/11/2021	9:45	G	GW	2	X	X	pH = 5.50	
GWA-16		8/11/2021	12:19	G	GW	2	X	X	pH = 6.35	
GWA-17		8/11/2021	10:05	G	GW	2	X	X	pH = 6.14	
GWC-18		8/11/2021	15:13	G	GW	2	X	X	pH = 6.43	
GWC-19		8/11/2021	11:10	G	GW	2	X	X	pH = 6.35	
GWC-20		8/11/2021	12:30	G	GW	2	X	X	pH = 6.58	
<b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							4	1		
<b>Possible Hazard Identification:</b> 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.							<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
<b>Special Instructions/QC Requirements &amp; Comments:</b>										
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____		Corr'd: _____		Therm ID No.:		
Relinquished by: JOSE WAWESPACK JW...		Company: GONDER		Date/Time: 8/12/21 08:16		Received by: Elaine COOK		Company: Courier Now		
Relinquished by: JW		Company:		Date/Time: 8/22/21 10:00am		Received by: JW		Company:		
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

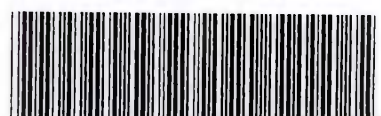
1730 430  
 pw  
 9/28/2021 (Rev. 1)

# Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Dawn Prell		Site Contact: Dawn Prell		Date:		COC No:	
Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		1 of 1 COCs	
Analysis Turnaround Time							
<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below 3-5 days <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Project: Scherer Cell 1		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.	
Site: Geor...		Filtered Sample (Y/N)		Perform MS / MSD (Y / N)		Sample Specific Notes:	
PO #		6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Ti, Vn, Zn		Cl, F, SO4, TDS			
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y / N)
GWC-2	8/12/2021	11:26	G	GW	2	X	X
GWC-3	8/12/2021	11:01	G	GW	2	X	X
GWC-4	8/12/2021	12:10	G	GW	2	X	X
GWC-5	8/12/2021	10:11	G	GW	2	X	X
GWC-8A	8/12/2021	11:54	G	GW	2	X	X
GWC-9	8/12/2021	14:10	G	GW	2	X	X
Dup-1	8/12/2021		G	GW	2	X	X
FB-2	8/12/2021	12:30	G	Water	2	X	X
Dup-2	8/12/2021		G	GW	2	X	X
						 180-125793 Chain of Custody	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other						4 1	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.						Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Therm ID No.:	
Relinquished by: <i>[Signature]</i>		Company: <i>Golden</i> Date/Time: <i>8/13/21 17:00</i>		Received by: <i>[Signature]</i>		Company: <i>ETA</i> Date/Time: <i>8/13/21 17:00</i>	
Relinquished by:		Company:		Received by: <i>[Signature]</i>		Company: <i>ETA Pitt</i> Date/Time: <i>8-14-21 9:00</i>	
Relinquished by:		Company:		Received in Laboratory by:		Company:	

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

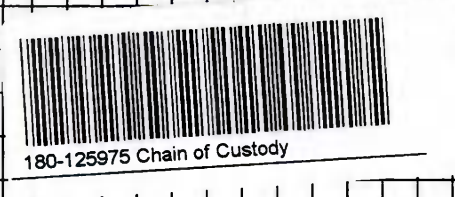
**Chain of Custody Record**



TestAmerica Labor

Regulatory Program:  DW  NPDES  RCRA  Other:

<b>Client Contact</b>		<b>Project Manager: Dawn Prell</b>			<b>Site Contact: Dawn Prell</b>			<b>Date:</b>		<b>COC No:</b>		
Joju Abraham		Tel/Fax: 248-536-5445			Lab Contact: Shali Brown			Carrier:		1__ of 1__ CC		
Southern Company		<b>Analysis Turnaround Time</b>			Filtered Sample (Y/N) Perform MS/MSD (Y/N) 6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Ti, Vn, Zn Cl, F, SO <sub>4</sub> , TDS							
241 Ralph McGill Blvd SE B10185		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS										
Atlanta, GA 30308		TAT if different from Below ___ 3-5 days ___										
JAbraham@southernco.com		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day										
Project Name: CCR - Plant Scherer Cell 1												
Site: Georgia												
P O #												
<b>Sample Identification</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=Grab)</b>	<b>Matrix</b>	<b># of Cont.</b>					<b>Sample Specific</b>	
GWC-10		8/17/2021	15:35	G	GW	2	X	X			pH = 6.45	
<b>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other</b>							4	1				
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:												
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:			Cooler Temp. (°C): Obs'd:		Corr'd:		Therm ID No.:			
Relinquished by: <i>JW...</i>		Company: GOLDER		Date/Time: 08/18/21 08:04		Received by: <i>Blaine Cook</i>		Company: Courier Now		Date/Time: 8/18/21		
Relinquished by: <i>JW</i>		Company:		Date/Time: 8/15/21 10:00		Received by: <i>[Signature]</i>		Company:		Date/Time: 8/15/21		
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <i>[Signature]</i>		Company: <i>[Signature]</i>		Date/Time: 8-19-21		





TestAmerica Pittsburgh

301 Alpha Drive  
 RDC Park  
 Pittsburgh, PA 15226-2907  
 Phone 412.963.7058 Fax 412.963.3498

Chain of Custody Record



TestAmerica Laboratories, Inc.

Regulatory Program:  SW  WQS  WQS  Other

<b>Client Contact</b> Jaya Abraham Southern Company 241 Ralph McGill Blvd SE, R11182 Atlanta, GA 30308 JAbraham@southern.com Project Name: OCR - Plant Scherer Cell 1 Site: Georgia P O #	<b>Project Manager: Dawn Proff</b> Tel/Fax: 248-838-8888 Analysis Turnaround Time <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 day <input type="checkbox"/> 1 day	<b>Site Contact: Dawn Proff</b> Lab Contact: Shelli Brown Carrier: Date:	<b>COC No:</b> 1 of 1 COCs Sampler: For Lab Use Only: Walk-in Client Lab Sampling Job / SDG No.:
---	--	---	--

Sample Identification	Sample Date	Sample Time	Sample Type (Agency Interm)	Matrix	# of Cont	Filtered Sample (Y/N)	Preserve Method (MSD) (Y/N)	MSD (Y/N) (As, Ba, B, Bi, Ca, Cd, Cu, Pb, Fe, Hg, Mn, Ni, Se, Zn)	OC, P, SO4, TOB	Sample Specific Notes
GWC-1	6/18/2021	16:22	G	GW	2		X	X		pH = 4.98 DH pH = 6.56

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= HClO4, 6= Other

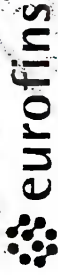
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Not Hazard  Flammable  Self-Heating  Poisonous  Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Disposed by Lab  Retain for \_\_\_\_\_ Months

Special Instructions/OC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.	Cooler Temp. (°C) Client:	Control:	Therm ID No.
Relinquished by: <i>JW</i>	Company: <i>Southern</i>	Date/Time: <i>06/19/21 09:00</i>	Received by: <i>Edaine Cook</i>	Company: <i>Courier Hold</i>
Relinquished by:	Company:	Date/Time:	Received by:	Company:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:



Environment Testing  
TestAmerica

RT 98 1 A  
10:30 8340 2AUG21  
FZ 08.13 10 LB  
08.13 CAFE3409

ORIGIN ID: LIYA (C  
GEORGE TAYLOR  
EUROFINS TESTING  
6215 REGENCY PARK  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

BILL THIRD PARTY

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
(412) 963-7068 REF 1  
DEPT 1

*H.30*



TRK# 1516 9331 8340  
0201

FRI - 13 AUG 10:30  
PRIORITY OVERNIGHT

NA Uncorrected temp 3.9 °C 1523  
Thermometer ID 17 US PI  
CF 0 Initials *δ*

PTW:SR001 effective 11/8/18



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



Environment Testing  
TestAmerica

RT 98 1 A  
FZ 10:30 8340 2AUG21  
08:13 10 LB CAEE3409

ORIGIN ID: LLIYA (6  
GEORGE TAYLOR  
EUROFINS TESTING  
6215 REGENCY PARK  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

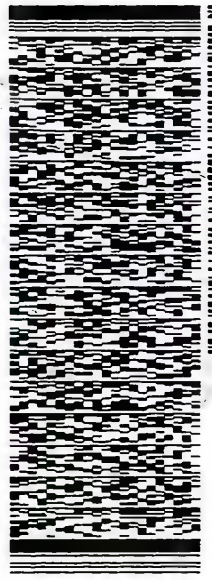
BILL THIRD PARTY

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

(412) 983-7068

REF: 1

DEPT: 4130



TRK# 1516 9331 8340

FRI - 13 AUG 10:30  
PRIORITY OVERNIGHT

NA Uncorrected temp  
Thermometer ID

CF Q Initials

3.6 °C 15231  
17 US PI



RT-M (STR-00) Effective 1/18/18



180-125777 Waybill



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125776-1

**Login Number: 125776**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125776-1

**Login Number: 125777**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125776-1

**Login Number: 125793**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125776-1

**Login Number: 125975**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125776-1

**Login Number: 126061**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-125791-1

Client Project/Site: Plant Scherer PAC Ash Cell

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
9/3/2021 5:59:01 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?



Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	16
QC Sample Results . . . . .	34
QC Association Summary . . . . .	44
Chain of Custody . . . . .	50
Receipt Checklists . . . . .	53

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

---

## Job ID: 180-125791-1

---

Laboratory: Eurofins TestAmerica, Pittsburgh

### Narrative

---

#### Job Narrative 180-125791-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/14/2021 9:00 AM and 8/19/2021 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 11 coolers at receipt time were 2.4° C, 2.4° C, 3.4° C, 3.6° C, 3.6° C, 3.8° C, 3.8° C, 4.2° C, 4.2° C, 4.5° C and 4.5° 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.

#### GC Semi VOA

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

#### Metals

Methods 6020, 6020B: The continuing calibration verification (CCV) associated with batch 180-368648 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWA-46 (180-125791-4), GWA-48 (180-125791-5), GWA-49 (180-125791-6), FB-3 (180-125791-7), EB-3 (180-125791-8), GWC-29 (180-125792-1), GWA-47 (180-125792-2), GWC-50 (180-125792-3), GWC-51 (180-125792-4), GWC-53 (180-125792-5), FB-4 (180-125792-6), DUP-3 (180-125792-7), EB-4 (180-125792-8), (CCV 180-368648/149), (180-125791-B-3-C MSD) and (180-125791-B-3-A PDS).

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

#### Field Service / Mobile Lab

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

#### General Chemistry

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



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

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



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-125791-1	GWA-21	Water	08/12/21 13:40	08/14/21 09:00
180-125791-2	GWA-22	Water	08/12/21 14:30	08/14/21 09:00
180-125791-3	GWA-45	Water	08/12/21 14:25	08/14/21 09:00
180-125791-4	GWA-46	Water	08/12/21 15:45	08/14/21 09:00
180-125791-5	GWA-48	Water	08/12/21 16:10	08/14/21 09:00
180-125791-6	GWA-49	Water	08/12/21 15:05	08/14/21 09:00
180-125791-7	FB-3	Water	08/12/21 13:15	08/14/21 09:00
180-125791-8	EB-3	Water	08/12/21 16:01	08/14/21 09:00
180-125792-1	GWC-29	Water	08/13/21 10:55	08/14/21 09:00
180-125792-2	GWA-47	Water	08/13/21 09:54	08/14/21 09:00
180-125792-3	GWC-50	Water	08/13/21 09:55	08/14/21 09:00
180-125792-4	GWC-51	Water	08/13/21 12:30	08/14/21 09:00
180-125792-5	GWC-53	Water	08/13/21 11:33	08/14/21 09:00
180-125792-6	FB-4	Water	08/13/21 11:55	08/14/21 09:00
180-125792-7	DUP-3	Water	08/13/21 00:00	08/14/21 09:00
180-125792-8	EB-4	Water	08/13/21 11:54	08/14/21 09:00
180-125974-1	GWC-52	Water	08/17/21 11:50	08/19/21 09:15
180-125974-2	DUP-4	Water	08/17/21 00:00	08/19/21 09:15



# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-21**  
**Date Collected: 08/12/21 13:40**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125791-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369664	08/31/21 07:56	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368648	08/19/21 18:37	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368758	08/20/21 12:59	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			368918	08/23/21 15:36	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368200	08/12/21 13:40	FDS	TAL PIT

**Client Sample ID: GWA-22**  
**Date Collected: 08/12/21 14:30**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125791-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369664	08/31/21 09:33	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368648	08/19/21 18:41	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			368758	08/20/21 13:02	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			368918	08/23/21 15:37	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368200	08/12/21 14:30	FDS	TAL PIT

**Client Sample ID: GWA-45**  
**Date Collected: 08/12/21 14:25**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125791-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369664	08/31/21 08:44	J1T	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-45**  
**Date Collected: 08/12/21 14:25**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125791-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 18:45	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 13:06	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:38	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 14:25	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-46**  
**Date Collected: 08/12/21 15:45**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125791-4**  
**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			369664	08/31/21 09:49	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 19:46	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 13:53	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:39	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 15:45	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-48**  
**Date Collected: 08/12/21 16:10**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125791-5**  
**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			369664	08/31/21 09:16	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 19:50	RSK	TAL PIT
Instrument ID: A										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-125791-5**

**Date Collected: 08/12/21 16:10**

**Matrix: Water**

**Date Received: 08/14/21 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:19	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:40	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 16:10	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-49**

**Lab Sample ID: 180-125791-6**

**Date Collected: 08/12/21 15:05**

**Matrix: Water**

**Date Received: 08/14/21 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369664	08/31/21 09:00	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 19:54	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:22	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:43	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/12/21 15:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB-3**

**Lab Sample ID: 180-125791-7**

**Date Collected: 08/12/21 13:15**

**Matrix: Water**

**Date Received: 08/14/21 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369664	08/31/21 10:06	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 19:57	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:26	RSK	TAL PIT
Instrument ID: A										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Client Sample ID: FB-3

Lab Sample ID: 180-125791-7

Date Collected: 08/12/21 13:15

Matrix: Water

Date Received: 08/14/21 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:44	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: EB-3

Lab Sample ID: 180-125791-8

Date Collected: 08/12/21 16:01

Matrix: Water

Date Received: 08/14/21 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369664	08/31/21 10:22	J1T	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:01	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:30	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368676	08/20/21 08:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:20	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368599	08/19/21 13:32	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-29

Lab Sample ID: 180-125792-1

Date Collected: 08/13/21 10:55

Matrix: Water

Date Received: 08/14/21 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369715	09/01/21 00:47	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:05	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:33	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:46	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368602	08/19/21 13:39	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 10:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-47**  
**Date Collected: 08/13/21 09:54**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125792-2**  
**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			369715	09/01/21 01:40	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:08	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:37	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:49	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 09:54	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-50**  
**Date Collected: 08/13/21 09:55**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125792-3**  
**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			369715	09/01/21 01:58	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:19	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:41	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:50	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 09:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-51**  
**Date Collected: 08/13/21 12:30**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125792-4**  
**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			369715	09/01/21 02:16	J1T	TAL PIT
Instrument ID: INTEGRION										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-125792-4**

**Date Collected: 08/13/21 12:30**

**Matrix: Water**

**Date Received: 08/14/21 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:23	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:44	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:51	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 12:30	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-125792-5**

**Date Collected: 08/13/21 11:33**

**Matrix: Water**

**Date Received: 08/14/21 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369715	09/01/21 02:34	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:27	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 14:48	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:54	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 11:33	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB-4**

**Lab Sample ID: 180-125792-6**

**Date Collected: 08/13/21 11:55**

**Matrix: Water**

**Date Received: 08/14/21 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369715	09/01/21 02:52	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:30	RSK	TAL PIT
Instrument ID: A										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Client Sample ID: FB-4

Date Collected: 08/13/21 11:55

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125792-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 15:10	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:55	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: DUP-3

Date Collected: 08/13/21 00:00

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125792-7

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			369715	09/01/21 03:45	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:34	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 15:14	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:56	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: EB-4

Date Collected: 08/13/21 11:54

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125792-8

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			369715	09/01/21 04:03	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368648	08/19/21 20:37	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368401	08/18/21 11:04	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368758	08/20/21 15:17	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368677	08/20/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			368918	08/23/21 15:57	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-125974-1**

**Date Collected: 08/17/21 11:50**

**Matrix: Water**

**Date Received: 08/19/21 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369870	09/01/21 18:42	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 21:18	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			369203	08/25/21 15:07	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369637	08/17/21 11:50	FDS	TAL PIT

**Client Sample ID: DUP-4**

**Lab Sample ID: 180-125974-2**

**Date Collected: 08/17/21 00:00**

**Matrix: Water**

**Date Received: 08/19/21 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369870	09/01/21 19:30	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 21:07	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			369203	08/25/21 15:06	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT

**Laboratory References:**

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

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

MM1 = Mary Beth Miller

TLP = Tara Peterson

Batch Type: Analysis

FDS = Sampler Field

J1T = Jianwu Tang

KEM = Kimberly Mahoney

KMM = Kendric Moore

RSK = Robert Kurtz

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-21**

**Lab Sample ID: 180-125791-1**

Date Collected: 08/12/21 13:40

Matrix: Water

Date Received: 08/14/21 09:00

**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			08/31/21 07:56	1
Fluoride	0.040	J	0.10	0.026	mg/L			08/31/21 07:56	1
Sulfate	1.8		1.0	0.76	mg/L			08/31/21 07:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 18:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 18:37	1
Barium	0.023		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 18:37	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 18:37	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 12:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 18:37	1
Calcium	7.2		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 18:37	1
Chromium	0.0016	J	0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 18:37	1
Cobalt	0.00028	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 18:37	1
Copper	0.00066	J	0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 18:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 18:37	1
Nickel	0.0011		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 18:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 18:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 18:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 18:37	1
Vanadium	0.0040		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 18:37	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:47	08/23/21 15:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	98		10	10	mg/L			08/19/21 13:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.88				SU			08/12/21 13:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-22**

**Lab Sample ID: 180-125791-2**

Date Collected: 08/12/21 14:30

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.7		1.0	0.71	mg/L			08/31/21 09:33	1
Fluoride	0.028	J	0.10	0.026	mg/L			08/31/21 09:33	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 18:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 18:41	1
Barium	0.024		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 18:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 18:41	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 13:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 18:41	1
Calcium	6.0		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 18:41	1
Chromium	0.0080		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 18:41	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 18:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 18:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 18:41	1
Nickel	0.00042	J	0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 18:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 18:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 18:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 18:41	1
Vanadium	0.0028		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 18:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:47	08/23/21 15:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	68		10	10	mg/L			08/19/21 13:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.91				SU			08/12/21 14:30	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-125791-3**

Date Collected: 08/12/21 14:25

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>13</b>		1.0	0.71	mg/L			08/31/21 08:44	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 08:44	1
<b>Sulfate</b>	<b>180</b>		1.0	0.76	mg/L			08/31/21 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 18:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 18:45	1
<b>Barium</b>	<b>0.091</b>		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 18:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 18:45	1
<b>Boron</b>	<b>1.1</b>		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 13:06	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 18:45	1
<b>Calcium</b>	<b>26</b>		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 18:45	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 18:45	1
<b>Cobalt</b>	<b>0.0024 J</b>		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 18:45	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 18:45	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 18:45	1
<b>Nickel</b>	<b>0.00092 J</b>		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 18:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 18:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 18:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 18:45	1
<b>Vanadium</b>	<b>0.0017</b>		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 18:45	1
<b>Zinc</b>	<b>0.0060</b>		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:47	08/23/21 15:38	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>330</b>		10	10	mg/L			08/19/21 13:32	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.92</b>				SU			08/12/21 14:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-125791-4**

Date Collected: 08/12/21 15:45

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.5		1.0	0.71	mg/L			08/31/21 09:49	1
Fluoride	0.11		0.10	0.026	mg/L			08/31/21 09:49	1
Sulfate	1.0		1.0	0.76	mg/L			08/31/21 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 19:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 19:46	1
Barium	0.023		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 19:46	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 19:46	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 13:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 19:46	1
Calcium	6.1		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 19:46	1
Chromium	0.0045		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 19:46	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 19:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 19:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 19:46	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 19:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 19:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 19:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 19:46	1
Vanadium	0.0031		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 19:46	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:47	08/23/21 15:39	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	55		10	10	mg/L			08/19/21 13:32	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.71				SU			08/12/21 15:45	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-125791-5**

Date Collected: 08/12/21 16:10

Matrix: Water

Date Received: 08/14/21 09:00

**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			08/31/21 09:16	1
Fluoride	0.052	J	0.10	0.026	mg/L			08/31/21 09:16	1
Sulfate	1.0		1.0	0.76	mg/L			08/31/21 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 19:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 19:50	1
Barium	0.013		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 19:50	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 19:50	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 19:50	1
Calcium	12		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 19:50	1
Chromium	0.0058		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 19:50	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 19:50	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 19:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 19:50	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 19:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 19:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 19:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 19:50	1
Vanadium	0.019		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 19:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:19	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		08/20/21 08:47	08/23/21 15:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			08/19/21 13:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.86				SU			08/12/21 16:10	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-49**

**Lab Sample ID: 180-125791-6**

Date Collected: 08/12/21 15:05

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.2		1.0	0.71	mg/L			08/31/21 09:00	1
Fluoride	0.058	J	0.10	0.026	mg/L			08/31/21 09:00	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 19:54	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 19:54	1
Barium	0.024		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 19:54	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 19:54	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:22	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 19:54	1
Calcium	14		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 19:54	1
Chromium	0.0096		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 19:54	1
Cobalt	0.00072	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 19:54	1
Copper	0.0031		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 19:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 19:54	1
Nickel	0.0019		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 19:54	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 19:54	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 19:54	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 19:54	1
Vanadium	0.020		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 19:54	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:47	08/23/21 15:43	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			08/19/21 13:32	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.86				SU			08/12/21 15:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: FB-3**

**Lab Sample ID: 180-125791-7**

Date Collected: 08/12/21 13:15

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/31/21 10:06	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 10:06	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 19:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 19:57	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 19:57	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 19:57	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:26	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 19:57	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 19:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 19:57	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 19:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 19:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 19:57	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 19:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 19:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 19:57	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 19:57	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 19:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:26	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		08/20/21 08:47	08/23/21 15:44	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 13:32	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: EB-3**

**Lab Sample ID: 180-125791-8**

Date Collected: 08/12/21 16:01

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/31/21 10:22	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 10:22	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:01	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:01	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:01	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:01	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:01	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:01	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:01	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:01	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:01	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:01	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:01	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:01	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:01	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:30	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		08/20/21 08:47	08/23/21 15:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 13:32	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWC-29**

**Lab Sample ID: 180-125792-1**

Date Collected: 08/13/21 10:55

Matrix: Water

Date Received: 08/14/21 09:00

**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			09/01/21 00:47	1
Fluoride	0.065	J F1	0.10	0.026	mg/L			09/01/21 00:47	1
Sulfate	2.7		1.0	0.76	mg/L			09/01/21 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:05	1
Barium	0.021		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:05	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:05	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:05	1
Calcium	15		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:05	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:05	1
Nickel	0.0037		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:05	1
Vanadium	0.0061		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 15:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			08/19/21 13:39	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.18				SU			08/13/21 10:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWA-47**

**Lab Sample ID: 180-125792-2**

Date Collected: 08/13/21 09:54

Matrix: Water

Date Received: 08/14/21 09:00

### 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			09/01/21 01:40	1
Fluoride	0.090	J	0.10	0.026	mg/L			09/01/21 01:40	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 01:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:08	1
Barium	0.026		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:08	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:08	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:08	1
Calcium	11		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:08	1
Chromium	0.0082		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:08	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:08	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:08	1
Vanadium	0.0078		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:37	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		08/20/21 08:49	08/23/21 15:49	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			08/19/21 16:19	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.33				SU			08/13/21 09:54	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWC-50**

**Lab Sample ID: 180-125792-3**

Date Collected: 08/13/21 09:55

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.71	mg/L			09/01/21 01:58	1
Fluoride	0.048	J	0.10	0.026	mg/L			09/01/21 01:58	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:19	1
Barium	0.029		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:19	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:19	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:19	1
Calcium	7.2		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:19	1
Chromium	0.0089		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:19	1
Cobalt	0.00074	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:19	1
Copper	0.0046		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:19	1
Lead	0.00054	J	0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:19	1
Nickel	0.0036		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:19	1
Vanadium	0.0093		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:19	1
Zinc	0.0053		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 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		08/20/21 08:49	08/23/21 15:50	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	72		10	10	mg/L			08/19/21 16:19	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.86				SU			08/13/21 09:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-125792-4**

Date Collected: 08/13/21 12:30

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.0		1.0	0.71	mg/L			09/01/21 02:16	1
Fluoride	0.043	J	0.10	0.026	mg/L			09/01/21 02:16	1
Sulfate	1.4		1.0	0.76	mg/L			09/01/21 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:23	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:23	1
Barium	0.019		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:23	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:23	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:23	1
Calcium	7.0		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:23	1
Chromium	0.0087		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:23	1
Cobalt	0.00059	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:23	1
Copper	0.0025		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:23	1
Lead	0.00022	J	0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:23	1
Nickel	0.0034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:23	1
Vanadium	0.0072		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 15:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	92		10	10	mg/L			08/19/21 16:19	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			08/13/21 12:30	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-125792-5**

Date Collected: 08/13/21 11:33

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		1.0	0.71	mg/L			09/01/21 02:34	1
Fluoride	0.034	J	0.10	0.026	mg/L			09/01/21 02:34	1
Sulfate	170		1.0	0.76	mg/L			09/01/21 02:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:27	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:27	1
Barium	0.038		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:27	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:27	1
Boron	0.94		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 14:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:27	1
Calcium	17		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:27	1
Chromium	0.0019	J	0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:27	1
Cobalt	0.015		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:27	1
Lead	0.00017	J	0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:27	1
Nickel	0.0073		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:27	1
Vanadium	0.0016		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:27	1
Zinc	0.017		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 15:54	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	290		10	10	mg/L			08/19/21 16:19	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.47				SU			08/13/21 11:33	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: FB-4**

**Lab Sample ID: 180-125792-6**

**Date Collected: 08/13/21 11:55**

**Matrix: Water**

**Date Received: 08/14/21 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/01/21 02:52	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 02:52	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:30	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:30	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:30	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 15:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:30	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:30	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:30	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 15:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 16:19	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: DUP-3**

**Lab Sample ID: 180-125792-7**

Date Collected: 08/13/21 00:00

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.71	mg/L			09/01/21 03:45	1
Fluoride	0.039	J	0.10	0.026	mg/L			09/01/21 03:45	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:34	1
Barium	0.024		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:34	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:34	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 15:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:34	1
Calcium	7.0		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:34	1
Chromium	0.0068		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:34	1
Cobalt	0.00052	J	0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:34	1
Copper	0.0029		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:34	1
Lead	0.00039	J	0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:34	1
Nickel	0.0029		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:34	1
Vanadium	0.0075		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:34	1
Zinc	0.0037	J	0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 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		08/20/21 08:49	08/23/21 15:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	81		10	10	mg/L			08/19/21 16:19	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: EB-4**

**Lab Sample ID: 180-125792-8**

Date Collected: 08/13/21 11:54

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/01/21 04:03	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 04:03	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 04:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 20:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 20:37	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 20:37	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 20:37	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 15:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 20:37	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 20:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 20:37	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 20:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 20:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 20:37	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 20:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 20:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 20:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 20:37	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 20:37	1
<b>Zinc</b>	<b>0.0034</b>	<b>J</b>	0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 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		08/20/21 08:49	08/23/21 15:57	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 16:19	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-125974-1**

Date Collected: 08/17/21 11:50

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.3		1.0	0.71	mg/L			09/01/21 18:42	1
Fluoride	0.094	J F1	0.10	0.026	mg/L			09/01/21 18:42	1
Sulfate	54		1.0	0.76	mg/L			09/01/21 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 21:18	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 21:18	1
Barium	0.020		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 21:18	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 21:18	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 21:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 21:18	1
Calcium	22		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 21:18	1
Chromium	0.034		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 21:18	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 21:18	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 21:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 21:18	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 21:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 21:18	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 21:18	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 21:18	1
Vanadium	0.011		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 21:18	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:47	08/25/21 15:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	180		10	10	mg/L			08/22/21 17:36	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.63				SU			08/17/21 11:50	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

**Client Sample ID: DUP-4**

**Lab Sample ID: 180-125974-2**

Date Collected: 08/17/21 00:00

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.5		1.0	0.71	mg/L			09/01/21 19:30	1
Fluoride	0.083	J	0.10	0.026	mg/L			09/01/21 19:30	1
Sulfate	56		1.0	0.76	mg/L			09/01/21 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 21:07	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 21:07	1
Barium	0.018		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 21:07	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 21:07	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 21:07	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 21:07	1
Calcium	20		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 21:07	1
Chromium	0.034		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 21:07	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 21:07	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 21:07	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 21:07	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 21:07	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 21:07	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 21:07	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 21:07	1
Vanadium	0.011		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 21:07	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 21:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:47	08/25/21 15:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	190		10	10	mg/L			08/22/21 17:36	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: MB 180-369664/20**  
**Matrix: Water**  
**Analysis Batch: 369664**

**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			08/30/21 20:34	1
Fluoride	<0.026		0.10	0.026	mg/L			08/30/21 20:34	1
Sulfate	<0.76		1.0	0.76	mg/L			08/30/21 20:34	1

**Lab Sample ID: MB 180-369664/52**  
**Matrix: Water**  
**Analysis Batch: 369664**

**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			08/31/21 05:01	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 05:01	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 05:01	1

**Lab Sample ID: LCS 180-369664/51**  
**Matrix: Water**  
**Analysis Batch: 369664**

**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	51.5		mg/L		103	90 - 110
Fluoride	2.50	2.67		mg/L		107	90 - 110
Sulfate	50.0	51.2		mg/L		102	90 - 110

**Lab Sample ID: 180-125791-1 MS**  
**Matrix: Water**  
**Analysis Batch: 369664**

**Client Sample ID: GWA-21**  
**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	55.0		mg/L		102	90 - 110
Fluoride	0.040	J	2.50	2.61		mg/L		103	90 - 110
Sulfate	1.8		50.0	51.6		mg/L		100	90 - 110

**Lab Sample ID: 180-125791-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 369664**

**Client Sample ID: GWA-21**  
**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	53.9		mg/L		100	90 - 110	2	20
Fluoride	0.040	J	2.50	2.54		mg/L		100	90 - 110	3	20
Sulfate	1.8		50.0	50.5		mg/L		97	90 - 110	2	20

**Lab Sample ID: MB 180-369715/19**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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			08/31/21 15:15	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 15:15	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 15:15	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: MB 180-369715/49**  
**Matrix: Water**  
**Analysis Batch: 369715**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/01/21 00:29	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 00:29	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 00:29	1

**Lab Sample ID: LCS 180-369715/48**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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	50.6		mg/L		101	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	50.2		mg/L		100	90 - 110

**Lab Sample ID: 180-125792-1 MS**  
**Matrix: Water**  
**Analysis Batch: 369715**

**Client Sample ID: GWC-29**  
**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	56.3		mg/L		105	90 - 110
Fluoride	0.065	J F1	2.50	2.83	F1	mg/L		111	90 - 110
Sulfate	2.7		50.0	54.4		mg/L		103	90 - 110

**Lab Sample ID: 180-125792-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 369715**

**Client Sample ID: GWC-29**  
**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	56.2		mg/L		105	90 - 110	0	20
Fluoride	0.065	J F1	2.50	2.81		mg/L		110	90 - 110	1	20
Sulfate	2.7		50.0	54.2		mg/L		103	90 - 110	0	20

**Lab Sample ID: MB 180-369870/41**  
**Matrix: Water**  
**Analysis Batch: 369870**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/01/21 18:26	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 18:26	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 18:26	1

**Lab Sample ID: LCS 180-369870/40**  
**Matrix: Water**  
**Analysis Batch: 369870**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.2		mg/L		100	90 - 110
Fluoride	2.50	2.42		mg/L		97	90 - 110
Sulfate	50.0	49.6		mg/L		99	90 - 110



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: 180-125974-1 MS**  
**Matrix: Water**  
**Analysis Batch: 369870**

**Client Sample ID: GWC-52**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8.3		50.0	61.6		mg/L		107	90 - 110
Fluoride	0.094	J F1	2.50	2.87	F1	mg/L		111	90 - 110
Sulfate	54		50.0	107		mg/L		106	90 - 110

**Lab Sample ID: 180-125974-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 369870**

**Client Sample ID: GWC-52**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.3		50.0	59.9		mg/L		103	90 - 110	3	20
Fluoride	0.094	J F1	2.50	2.81		mg/L		109	90 - 110	2	20
Sulfate	54		50.0	104		mg/L		100	90 - 110	3	20

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

**Lab Sample ID: MB 180-368401/1-A**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:04	08/19/21 18:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:04	08/19/21 18:19	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:04	08/19/21 18:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:04	08/19/21 18:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:04	08/19/21 18:19	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:04	08/19/21 18:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:04	08/19/21 18:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:04	08/19/21 18:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:04	08/19/21 18:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:04	08/19/21 18:19	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:04	08/19/21 18:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:04	08/19/21 18:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:04	08/19/21 18:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:04	08/19/21 18:19	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:04	08/19/21 18:19	1

**Lab Sample ID: MB 180-368401/1-A**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:04	08/20/21 12:40	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:04	08/20/21 12:40	1

**Lab Sample ID: LCS 180-368401/2-A**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.246		mg/L		98	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: LCS 180-368401/2-A**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.503		mg/L		101	80 - 120
Cadmium	0.500	0.521		mg/L		104	80 - 120
Calcium	25.0	26.7		mg/L		107	80 - 120
Chromium	0.500	0.515		mg/L		103	80 - 120
Cobalt	0.500	0.515		mg/L		103	80 - 120
Copper	0.500	0.500		mg/L		100	80 - 120
Lead	0.500	0.520		mg/L		104	80 - 120
Nickel	0.500	0.518		mg/L		104	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	0.250	0.261		mg/L		104	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	0.500	0.515		mg/L		103	80 - 120

**Lab Sample ID: LCS 180-368401/2-A**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.23		mg/L		98	80 - 120
Zinc	0.250	0.247		mg/L		99	80 - 120

**Lab Sample ID: 180-125791-3 MS**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: GWA-45**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.245		mg/L		98	75 - 125
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125
Barium	0.091		1.00	1.12		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.517		mg/L		103	75 - 125
Calcium	26		25.0	51.7		mg/L		104	75 - 125
Chromium	<0.0015		0.500	0.516		mg/L		103	75 - 125
Cobalt	0.0024	J	0.500	0.512		mg/L		102	75 - 125
Copper	<0.00063		0.500	0.504		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.523		mg/L		105	75 - 125
Nickel	0.00092	J	0.500	0.510		mg/L		102	75 - 125
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125
Vanadium	0.0017		0.500	0.517		mg/L		103	75 - 125

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: 180-125791-3 MS**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: GWA-45**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.1		1.25	2.30		mg/L		98	75 - 125
Zinc	0.0060		0.250	0.251		mg/L		98	75 - 125

**Lab Sample ID: 180-125791-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 368648**

**Client Sample ID: GWA-45**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.246		mg/L		98	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	1	20
Barium	0.091		1.00	1.13		mg/L		104	75 - 125	0	20
Cadmium	<0.00022		0.500	0.523		mg/L		105	75 - 125	1	20
Calcium	26		25.0	52.7		mg/L		108	75 - 125	2	20
Chromium	<0.0015		0.500	0.518		mg/L		104	75 - 125	0	20
Cobalt	0.0024	J	0.500	0.515		mg/L		102	75 - 125	0	20
Copper	<0.00063		0.500	0.505		mg/L		101	75 - 125	0	20
Lead	<0.00013		0.500	0.521		mg/L		104	75 - 125	0	20
Nickel	0.00092	J	0.500	0.512		mg/L		102	75 - 125	0	20
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125	1	20
Silver	<0.00018		0.250	0.259		mg/L		104	75 - 125	1	20
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125	0	20
Vanadium	0.0017		0.500	0.521		mg/L		104	75 - 125	1	20

**Lab Sample ID: 180-125791-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 368758**

**Client Sample ID: GWA-45**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	1.1		1.25	2.31		mg/L		98	75 - 125	0	20
Zinc	0.0060		0.250	0.251		mg/L		98	75 - 125	0	20

**Lab Sample ID: MB 180-368730/1-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 19:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 19:25	1
Barium	<0.0016		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 19:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 19:25	1
Calcium	<0.13		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 19:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 19:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 19:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: MB 180-368730/1-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 19:25	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 19:25	1

**Lab Sample ID: LCS 180-368730/2-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.254		mg/L		102	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.506		mg/L		101	80 - 120
Boron	1.25	1.32		mg/L		105	80 - 120
Cadmium	0.500	0.535		mg/L		107	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Copper	0.500	0.527		mg/L		105	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Nickel	0.500	0.515		mg/L		103	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.250	0.259		mg/L		104	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.515		mg/L		103	80 - 120
Zinc	0.250	0.259		mg/L		104	80 - 120

**Lab Sample ID: 180-125969-B-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.250		mg/L		100	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.015		1.00	1.08		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125
Boron	<0.039		1.25	1.31		mg/L		105	75 - 125
Cadmium	<0.00022		0.500	0.541		mg/L		108	75 - 125
Calcium	0.81		25.0	28.5		mg/L		111	75 - 125
Chromium	0.0015	J	0.500	0.519		mg/L		103	75 - 125
Cobalt	0.00039	J	0.500	0.513		mg/L		103	75 - 125
Copper	<0.00063		0.500	0.530		mg/L		106	75 - 125
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125
Nickel	0.00047	J	0.500	0.518		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.260		mg/L		104	75 - 125
Thallium	0.00015	J	1.00	1.06		mg/L		106	75 - 125
Vanadium	<0.00099		0.500	0.518		mg/L		104	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: 180-125969-B-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	<0.0032		0.250	0.263		mg/L		105	75 - 125

**Lab Sample ID: 180-125969-B-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.252		mg/L		101	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	2	20
Barium	0.015		1.00	1.07		mg/L		105	75 - 125	1	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Boron	<0.039		1.25	1.38		mg/L		110	75 - 125	5	20
Cadmium	<0.00022		0.500	0.535		mg/L		107	75 - 125	1	20
Calcium	0.81		25.0	28.6		mg/L		111	75 - 125	0	20
Chromium	0.0015	J	0.500	0.527		mg/L		105	75 - 125	1	20
Cobalt	0.00039	J	0.500	0.524		mg/L		105	75 - 125	2	20
Copper	<0.00063		0.500	0.534		mg/L		107	75 - 125	1	20
Lead	<0.00013		0.500	0.538		mg/L		108	75 - 125	1	20
Nickel	0.00047	J	0.500	0.524		mg/L		105	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	1	20
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125	0	20
Thallium	0.00015	J	1.00	1.08		mg/L		108	75 - 125	1	20
Vanadium	<0.00099		0.500	0.526		mg/L		105	75 - 125	2	20
Zinc	<0.0032		0.250	0.266		mg/L		106	75 - 125	1	20

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

**Lab Sample ID: MB 180-368676/1-A**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368676**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:47	08/23/21 15:16	1

**Lab Sample ID: LCS 180-368676/2-A**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368676**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00212		mg/L		85	80 - 120

**Lab Sample ID: MB 180-368677/1-A**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/20/21 08:49	08/23/21 15:45	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

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

**Lab Sample ID: LCS 180-368677/2-A**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00200		mg/L		80	80 - 120

**Lab Sample ID: 180-125792-1 MS**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: GWC-29**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.000891		mg/L		89	75 - 125

**Lab Sample ID: 180-125792-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 368918**

**Client Sample ID: GWC-29**  
**Prep Type: Total/NA**  
**Prep Batch: 368677**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.000907		mg/L		91	75 - 125	2	20

**Lab Sample ID: MB 180-368875/1-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:47	08/25/21 14:44	1

**Lab Sample ID: LCS 180-368875/2-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

**Lab Sample ID: 180-125920-E-5-E MS**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.000932		mg/L		93	75 - 125

**Lab Sample ID: 180-125920-E-5-F MSD**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00100		mg/L		100	75 - 125	7	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-368599/2**  
**Matrix: Water**  
**Analysis Batch: 368599**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 13:32	1

**Lab Sample ID: LCS 180-368599/1**  
**Matrix: Water**  
**Analysis Batch: 368599**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	656		mg/L		96	80 - 120

**Lab Sample ID: 180-125791-4 DU**  
**Matrix: Water**  
**Analysis Batch: 368599**

**Client Sample ID: GWA-46**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	55		54.0		mg/L		2	10

**Lab Sample ID: MB 180-368602/2**  
**Matrix: Water**  
**Analysis Batch: 368602**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 13:39	1

**Lab Sample ID: LCS 180-368602/1**  
**Matrix: Water**  
**Analysis Batch: 368602**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	668		mg/L		98	80 - 120

**Lab Sample ID: 180-125778-A-1 DU**  
**Matrix: Water**  
**Analysis Batch: 368602**

**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	320		312		mg/L		2	10

**Lab Sample ID: MB 180-368625/2**  
**Matrix: Water**  
**Analysis Batch: 368625**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 16:19	1

**Lab Sample ID: LCS 180-368625/1**  
**Matrix: Water**  
**Analysis Batch: 368625**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	712		mg/L		104	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: 180-125792-2 DU**  
**Matrix: Water**  
**Analysis Batch: 368625**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	110		105		mg/L		0	10

**Lab Sample ID: MB 180-368811/2**  
**Matrix: Water**  
**Analysis Batch: 368811**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/22/21 17:36	1

**Lab Sample ID: LCS 180-368811/1**  
**Matrix: Water**  
**Analysis Batch: 368811**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	685	704		mg/L		103	80 - 120

**Lab Sample ID: 180-125972-C-3 DU**  
**Matrix: Water**  
**Analysis Batch: 368811**

**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		126		mg/L		3	10



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## HPLC/IC

### Analysis Batch: 369664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total/NA	Water	EPA 300.0 R2.1	
180-125791-2	GWA-22	Total/NA	Water	EPA 300.0 R2.1	
180-125791-3	GWA-45	Total/NA	Water	EPA 300.0 R2.1	
180-125791-4	GWA-46	Total/NA	Water	EPA 300.0 R2.1	
180-125791-5	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-125791-6	GWA-49	Total/NA	Water	EPA 300.0 R2.1	
180-125791-7	FB-3	Total/NA	Water	EPA 300.0 R2.1	
180-125791-8	EB-3	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369664/20	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369664/52	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369664/51	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125791-1 MS	GWA-21	Total/NA	Water	EPA 300.0 R2.1	
180-125791-1 MSD	GWA-21	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 369715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125792-1	GWC-29	Total/NA	Water	EPA 300.0 R2.1	
180-125792-2	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-125792-3	GWC-50	Total/NA	Water	EPA 300.0 R2.1	
180-125792-4	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
180-125792-5	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-125792-6	FB-4	Total/NA	Water	EPA 300.0 R2.1	
180-125792-7	DUP-3	Total/NA	Water	EPA 300.0 R2.1	
180-125792-8	EB-4	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369715/19	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369715/49	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369715/48	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125792-1 MS	GWC-29	Total/NA	Water	EPA 300.0 R2.1	
180-125792-1 MSD	GWC-29	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 369870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125974-1	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
180-125974-2	DUP-4	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369870/41	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369870/40	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125974-1 MS	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
180-125974-1 MSD	GWC-52	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 368401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total Recoverable	Water	3005A	
180-125791-2	GWA-22	Total Recoverable	Water	3005A	
180-125791-3	GWA-45	Total Recoverable	Water	3005A	
180-125791-4	GWA-46	Total Recoverable	Water	3005A	
180-125791-5	GWA-48	Total Recoverable	Water	3005A	
180-125791-6	GWA-49	Total Recoverable	Water	3005A	
180-125791-7	FB-3	Total Recoverable	Water	3005A	
180-125791-8	EB-3	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Metals (Continued)

### Prep Batch: 368401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125792-1	GWC-29	Total Recoverable	Water	3005A	
180-125792-2	GWA-47	Total Recoverable	Water	3005A	
180-125792-3	GWC-50	Total Recoverable	Water	3005A	
180-125792-4	GWC-51	Total Recoverable	Water	3005A	
180-125792-5	GWC-53	Total Recoverable	Water	3005A	
180-125792-6	FB-4	Total Recoverable	Water	3005A	
180-125792-7	DUP-3	Total Recoverable	Water	3005A	
180-125792-8	EB-4	Total Recoverable	Water	3005A	
MB 180-368401/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368401/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125791-3 MS	GWA-45	Total Recoverable	Water	3005A	
180-125791-3 MSD	GWA-45	Total Recoverable	Water	3005A	

### Analysis Batch: 368648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total Recoverable	Water	EPA 6020B	368401
180-125791-2	GWA-22	Total Recoverable	Water	EPA 6020B	368401
180-125791-3	GWA-45	Total Recoverable	Water	EPA 6020B	368401
180-125791-4	GWA-46	Total Recoverable	Water	EPA 6020B	368401
180-125791-5	GWA-48	Total Recoverable	Water	EPA 6020B	368401
180-125791-6	GWA-49	Total Recoverable	Water	EPA 6020B	368401
180-125791-7	FB-3	Total Recoverable	Water	EPA 6020B	368401
180-125791-8	EB-3	Total Recoverable	Water	EPA 6020B	368401
180-125792-1	GWC-29	Total Recoverable	Water	EPA 6020B	368401
180-125792-2	GWA-47	Total Recoverable	Water	EPA 6020B	368401
180-125792-3	GWC-50	Total Recoverable	Water	EPA 6020B	368401
180-125792-4	GWC-51	Total Recoverable	Water	EPA 6020B	368401
180-125792-5	GWC-53	Total Recoverable	Water	EPA 6020B	368401
180-125792-6	FB-4	Total Recoverable	Water	EPA 6020B	368401
180-125792-7	DUP-3	Total Recoverable	Water	EPA 6020B	368401
180-125792-8	EB-4	Total Recoverable	Water	EPA 6020B	368401
MB 180-368401/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368401
LCS 180-368401/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368401
180-125791-3 MS	GWA-45	Total Recoverable	Water	EPA 6020B	368401
180-125791-3 MSD	GWA-45	Total Recoverable	Water	EPA 6020B	368401

### Prep Batch: 368676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total/NA	Water	7470A	
180-125791-2	GWA-22	Total/NA	Water	7470A	
180-125791-3	GWA-45	Total/NA	Water	7470A	
180-125791-4	GWA-46	Total/NA	Water	7470A	
180-125791-5	GWA-48	Total/NA	Water	7470A	
180-125791-6	GWA-49	Total/NA	Water	7470A	
180-125791-7	FB-3	Total/NA	Water	7470A	
180-125791-8	EB-3	Total/NA	Water	7470A	
MB 180-368676/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368676/2-A	Lab Control Sample	Total/NA	Water	7470A	

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Metals

### Prep Batch: 368677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125792-1	GWC-29	Total/NA	Water	7470A	
180-125792-2	GWA-47	Total/NA	Water	7470A	
180-125792-3	GWC-50	Total/NA	Water	7470A	
180-125792-4	GWC-51	Total/NA	Water	7470A	
180-125792-5	GWC-53	Total/NA	Water	7470A	
180-125792-6	FB-4	Total/NA	Water	7470A	
180-125792-7	DUP-3	Total/NA	Water	7470A	
180-125792-8	EB-4	Total/NA	Water	7470A	
MB 180-368677/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368677/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125792-1 MS	GWC-29	Total/NA	Water	7470A	
180-125792-1 MSD	GWC-29	Total/NA	Water	7470A	

### Prep Batch: 368730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125974-1	GWC-52	Total Recoverable	Water	3005A	
180-125974-2	DUP-4	Total Recoverable	Water	3005A	
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 368758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total Recoverable	Water	EPA 6020B	368401
180-125791-2	GWA-22	Total Recoverable	Water	EPA 6020B	368401
180-125791-3	GWA-45	Total Recoverable	Water	EPA 6020B	368401
180-125791-4	GWA-46	Total Recoverable	Water	EPA 6020B	368401
180-125791-5	GWA-48	Total Recoverable	Water	EPA 6020B	368401
180-125791-6	GWA-49	Total Recoverable	Water	EPA 6020B	368401
180-125791-7	FB-3	Total Recoverable	Water	EPA 6020B	368401
180-125791-8	EB-3	Total Recoverable	Water	EPA 6020B	368401
180-125792-1	GWC-29	Total Recoverable	Water	EPA 6020B	368401
180-125792-2	GWA-47	Total Recoverable	Water	EPA 6020B	368401
180-125792-3	GWC-50	Total Recoverable	Water	EPA 6020B	368401
180-125792-4	GWC-51	Total Recoverable	Water	EPA 6020B	368401
180-125792-5	GWC-53	Total Recoverable	Water	EPA 6020B	368401
180-125792-6	FB-4	Total Recoverable	Water	EPA 6020B	368401
180-125792-7	DUP-3	Total Recoverable	Water	EPA 6020B	368401
180-125792-8	EB-4	Total Recoverable	Water	EPA 6020B	368401
MB 180-368401/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368401
LCS 180-368401/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368401
180-125791-3 MS	GWA-45	Total Recoverable	Water	EPA 6020B	368401
180-125791-3 MSD	GWA-45	Total Recoverable	Water	EPA 6020B	368401

### Prep Batch: 368875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125974-1	GWC-52	Total/NA	Water	7470A	
180-125974-2	DUP-4	Total/NA	Water	7470A	
MB 180-368875/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Metals (Continued)

### Prep Batch: 368875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	7470A	
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 368918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total/NA	Water	EPA 7470A	368676
180-125791-2	GWA-22	Total/NA	Water	EPA 7470A	368676
180-125791-3	GWA-45	Total/NA	Water	EPA 7470A	368676
180-125791-4	GWA-46	Total/NA	Water	EPA 7470A	368676
180-125791-5	GWA-48	Total/NA	Water	EPA 7470A	368676
180-125791-6	GWA-49	Total/NA	Water	EPA 7470A	368676
180-125791-7	FB-3	Total/NA	Water	EPA 7470A	368676
180-125791-8	EB-3	Total/NA	Water	EPA 7470A	368676
180-125792-1	GWC-29	Total/NA	Water	EPA 7470A	368677
180-125792-2	GWA-47	Total/NA	Water	EPA 7470A	368677
180-125792-3	GWC-50	Total/NA	Water	EPA 7470A	368677
180-125792-4	GWC-51	Total/NA	Water	EPA 7470A	368677
180-125792-5	GWC-53	Total/NA	Water	EPA 7470A	368677
180-125792-6	FB-4	Total/NA	Water	EPA 7470A	368677
180-125792-7	DUP-3	Total/NA	Water	EPA 7470A	368677
180-125792-8	EB-4	Total/NA	Water	EPA 7470A	368677
MB 180-368676/1-A	Method Blank	Total/NA	Water	EPA 7470A	368676
MB 180-368677/1-A	Method Blank	Total/NA	Water	EPA 7470A	368677
LCS 180-368676/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368676
LCS 180-368677/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368677
180-125792-1 MS	GWC-29	Total/NA	Water	EPA 7470A	368677
180-125792-1 MSD	GWC-29	Total/NA	Water	EPA 7470A	368677

### Analysis Batch: 369103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125974-1	GWC-52	Total Recoverable	Water	EPA 6020B	368730
180-125974-2	DUP-4	Total Recoverable	Water	EPA 6020B	368730
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368730
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368730

### Analysis Batch: 369203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125974-1	GWC-52	Total/NA	Water	EPA 7470A	368875
180-125974-2	DUP-4	Total/NA	Water	EPA 7470A	368875
MB 180-368875/1-A	Method Blank	Total/NA	Water	EPA 7470A	368875
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	368875

## General Chemistry

### Analysis Batch: 368599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## General Chemistry (Continued)

### Analysis Batch: 368599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-2	GWA-22	Total/NA	Water	SM 2540C	
180-125791-3	GWA-45	Total/NA	Water	SM 2540C	
180-125791-4	GWA-46	Total/NA	Water	SM 2540C	
180-125791-5	GWA-48	Total/NA	Water	SM 2540C	
180-125791-6	GWA-49	Total/NA	Water	SM 2540C	
180-125791-7	FB-3	Total/NA	Water	SM 2540C	
180-125791-8	EB-3	Total/NA	Water	SM 2540C	
MB 180-368599/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368599/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125791-4 DU	GWA-46	Total/NA	Water	SM 2540C	

### Analysis Batch: 368602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125792-1	GWC-29	Total/NA	Water	SM 2540C	
MB 180-368602/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368602/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125778-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 368625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125792-2	GWA-47	Total/NA	Water	SM 2540C	
180-125792-3	GWC-50	Total/NA	Water	SM 2540C	
180-125792-4	GWC-51	Total/NA	Water	SM 2540C	
180-125792-5	GWC-53	Total/NA	Water	SM 2540C	
180-125792-6	FB-4	Total/NA	Water	SM 2540C	
180-125792-7	DUP-3	Total/NA	Water	SM 2540C	
180-125792-8	EB-4	Total/NA	Water	SM 2540C	
MB 180-368625/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368625/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125792-2 DU	GWA-47	Total/NA	Water	SM 2540C	

### Analysis Batch: 368811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125974-1	GWC-52	Total/NA	Water	SM 2540C	
180-125974-2	DUP-4	Total/NA	Water	SM 2540C	
MB 180-368811/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368811/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125972-C-3 DU	Duplicate	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 368200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125791-1	GWA-21	Total/NA	Water	Field Sampling	
180-125791-2	GWA-22	Total/NA	Water	Field Sampling	
180-125791-3	GWA-45	Total/NA	Water	Field Sampling	
180-125791-4	GWA-46	Total/NA	Water	Field Sampling	
180-125791-5	GWA-48	Total/NA	Water	Field Sampling	
180-125791-6	GWA-49	Total/NA	Water	Field Sampling	
180-125792-1	GWC-29	Total/NA	Water	Field Sampling	
180-125792-2	GWA-47	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-125791-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 368200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125792-3	GWC-50	Total/NA	Water	Field Sampling	
180-125792-4	GWC-51	Total/NA	Water	Field Sampling	
180-125792-5	GWC-53	Total/NA	Water	Field Sampling	

### Analysis Batch: 369637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125974-1	GWC-52	Total/NA	Water	Field Sampling	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



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:

<b>Client Contact</b>		<b>Project Manager: Dawn Prell</b>		<b>Site Contact: Dawn Prell</b>		<b>Date:</b>		<b>COC No:</b>			
Joju Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		COCs: 1 of 1 COCs			
Southern Company		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) 6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Ti, Vn, Zn Cl, F, SO4, TDS		Sampler:		For Lab Use Only:			
241 Ralph McGill Blvd SE B10185		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS				Walk-in Client:		Lab Sampling:			
Atlanta, GA 30308		TAT if different from Below ___-3-5 days ___				Job / SDG No.:					
JAbraham@southernco.com		<input type="checkbox"/> 2 weeks				Sample Specific Notes:					
Project Name: CCR - Plant Scherer PAC Ash Cell		<input type="checkbox"/> 1 week		Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	
Site: Georgia		<input type="checkbox"/> 2 days									
P O #		<input type="checkbox"/> 1 day									
	GWA-21	8/12/2021	13:40	G	GW	2		X	X	pH = 5.88	
	GWA-22	8/12/2021	14:30	G	GW	2		X	X	pH = 5.91	
	GWA-45	8/12/2021	14:25	G	GW	2		X	X	pH = 5.92	
	GWA-46	8/12/2021	15:45	G	GW	2		X	X	pH = 5.71	
	GWA-48	8/12/2021	16:10	G	GW	2		X	X	pH = 6.86	
	GWA-49	8/12/2021	15:05	G	GW	2		X	X	pH = 6.86	
	FB-3	8/12/2021	13:15	G	Water	2		X	X		
	EB-3	8/12/2021	16:01	G	Water	2		X	X		
<b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____						4		1			
<b>Possible Hazard Identification:</b> 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.						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
<b>Special Instructions/QC Requirements &amp; Comments:</b>											
<b>Custody Seals Intact:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Custody Seal No.:</b>		<b>Cooler Temp. (°C): Obs'd: _____ Cor'd: _____</b>		<b>Therm ID No.:</b>					
Relinquished by: <i>JAN</i>		Company: <i>Golden</i>		Date/Time: <i>8/13/21 17:00</i>		Received by: <i>[Signature]</i>		Company: <i>ATA</i>		Date/Time: <i>8/13/21 17:00</i>	
Relinquished by: <i>[Signature]</i>		Company: _____		Date/Time: _____		Received by: <i>[Signature]</i>		Company: <i>ETARRH</i>		Date/Time: <i>2-14-21</i>	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: _____		Company: _____		Date/Time: <i>9:00</i>	



180-125791 Chain of Custody

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**



Regulatory Program:  DW  NPDES  RCRA  Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell		Site Contact: Dawn Prell				Date:	COC No:				
Joju Abraham	Tel/Fax: 248-536-5445		Lab Contact: Shali Brown				Carrier:	___1___ of ___1___ COCs				
Southern Company	Analysis Turnaround Time				Filtered Sample ( Y / N ) Perform MS / MSD ( Y / N ) 6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Vn, Zn Cl, F, S04, TDS	Sampler: For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.: Sample Specific Notes:						
241 Ralph McGill Blvd SE B10185	<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		TAT if different from Below ___3-5 days___									
Atlanta, GA 30308	<input checked="" type="checkbox"/> 2 weeks											
JAbraham@southernco.com	<input type="checkbox"/> 1 week											
Project Name: CCR - Plant Scherer PAC Ash Cell	<input type="checkbox"/> 2 days											
Site: Georgia	<input type="checkbox"/> 1 day											
P O #	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.						
	GWC-29	8/13/2021	10:55	G	GW	2	X	X			pH= 6.18	
	GWA-47	8/13/2021	09:54	G	GW	2	X	X			pH= 6.33	
	GWC-50	8/13/2021	09:55	G	GW	2	X	X			pH= 5.86	
	GWC-51	8/13/2021	12:30	G	GW	2	X	X			pH= 5.92	
	GWC-53	8/13/2021	11:33	G	GW	2	X	X			pH= 5.47	
	FB-4	8/13/2021	11:55	G	GW	2	X	X				
	DUP-3	8/13/2021	-	G	GW	2	X	X				
	EB-4	8/13/2021	11:54	G	GW	2	X	X				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							4	1				
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month )					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:												
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:			Cooler Temp. (°C): Obs'd: _____		Corr'd: _____		Therm ID No.:			
Relinquished by: <i>EW</i>		Company: <i>Goder</i>		Date/Time: <i>8/13/21 17:00</i>		Received by: <i>Shali Brown</i>		Company: <i>ETA</i>		Date/Time: <i>8/13/21 17:00</i>		
Relinquished by:		Company:		Date/Time:		Received by: <i>D. Watson</i>		Company: <i>ETA</i>		Date/Time: <i>8/14/21</i>		
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		Date/Time: <i>9/20</i>		





# TestAmerica Pittsburgh

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

# Chain of Custody Record

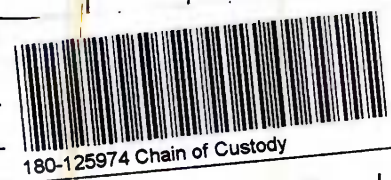


THE LEADER IN ENVIRON  
TestAmerica Labor

Regulatory Program:  DW  NPDES  RCRA  Other:

<b>Client Contact</b>		<b>Project Manager: Dawn Prell</b>		<b>Site Contact: Dawn Prell</b>		<b>Date:</b>		<b>COC No:</b>			
Joju Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		1 of 1 CC			
Southern Company		<b>Analysis Turnaround Time</b>								Sampler:	
241 Ralph McGill Blvd SE B10185		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below 3-5 days								For Lab Use Only:	
Atlanta, GA 30308		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								Walk-in Client:	
JAbraham@southernco.com		Filtered Sample (Y/N) Perform MS / MSD (Y/N) 6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Ti, Vn, Zn Cl, F, SO4, TDS								Lab Sampling:	
Project Name: CCR - Plant Scherer PAC Ash Cell										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)	pH	Sample Specific
GWC-52	8/17/2021	11:50	G	GW	2	X	X		pH = 6.63
Dup-4	8/17/2021		G	GW	2	X	X		



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

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

Non-Hazard     Flammable     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     No    Custody Seal No.: \_\_\_\_\_ Cooler Temp. (°C): Obs'd: \_\_\_\_\_ Corr'd: \_\_\_\_\_ Therm ID No.: \_\_\_\_\_

Relinquished by: <i>JW</i>	Company: <i>GWB</i>	Date/Time: <i>08/18/21 08:05</i>	Received by: <i>Elaine Cook</i>	Company: <i>Courier NOW</i>	Date/Time: <i>8/18/21</i>
Relinquished by: <i>JW</i>	Company: _____	Date/Time: <i>8/18/21 10am</i>	Received by: <i>[Signature]</i>	Company: _____	Date/Time: <i>8/18/21 10am</i>
Relinquished by: _____	Company: _____	Date/Time: _____	Received in Laboratory by: <i>[Signature]</i>	Company: <i>ETP</i>	Date/Time: <i>8-19-21 96</i>

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125791-1

**Login Number: 125791**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125791-1

**Login Number: 125792**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125791-1

**Login Number: 125974**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 180-125795-1

Client Project/Site: Plant Scherer Landfill Surfacewater

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
9/2/2021 7:44:58 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

**?** Ask  
The  
Expert

Visit us at:

[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	13
QC Sample Results . . . . .	21
QC Association Summary . . . . .	27
Chain of Custody . . . . .	31
Receipt Checklists . . . . .	32

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Job ID: 180-125795-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

### Job Narrative 180-125795-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/14/2021 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.4° C, 3.6° C, 3.8° C, 4.2° C and 4.5° 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.

The container label for one out of two of the Nitric one liter plastic containers for the following sample did not match the information listed on the Chain-of-Custody (COC): SWC-6 (180-125795-5). The container labels list a sample id of SWC-7, while the COC lists SWC-6. The ID on the COC was used as the time matches up.

#### GC Semi VOA

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

#### Metals

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-368936 recovered above the upper control limit for boron. Some samples associated with this CCV were non-detects for boron or were below its reporting limit (RL); therefore, the data have been reported. The associated samples are impacted: SWC-5 (180-125795-4) and SWC-6 (180-125795-5).

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 5310C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with SWA-2 (180-125795-1), SWA-3 (180-125795-2) and SWC-7 (180-125795-6). An LCS/LCSD pair were analyzed instead.

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 Landfill Surfacewater

Job ID: 180-125795-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

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



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-125795-1	SWA-2	Water	08/13/21 13:42	08/14/21 09:00
180-125795-2	SWA-3	Water	08/13/21 13:20	08/14/21 09:00
180-125795-3	SWC-4	Water	08/13/21 10:35	08/14/21 09:00
180-125795-4	SWC-5	Water	08/13/21 10:01	08/14/21 09:00
180-125795-5	SWC-6	Water	08/13/21 12:13	08/14/21 09:00
180-125795-6	SWC-7	Water	08/13/21 11:49	08/14/21 09:00
180-125795-7	SWC-8	Water	08/13/21 13:00	08/14/21 09:00
180-125795-8	SWC-9	Water	08/13/21 11:13	08/14/21 09:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

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 410.4	COD	MCAWW	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
SM 4500CN E	Total Cyanide	SM	TAL PIT
SM 5310C	Total Organic Carbon	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
410.4	COD	MCAWW	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT
SM 4500 CN C	Cyanide, Distillation	SM	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWA-2**  
**Date Collected: 08/13/21 13:42**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125795-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			369715	08/31/21 19:25	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		5			369715	08/31/21 19:43	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			368936	08/23/21 16:38	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369088	08/24/21 13:52	RJR	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			369203	08/25/21 14:24	KEM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	368306	08/17/21 13:10	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	368322	08/17/21 17:02	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	369481	08/27/21 16:15	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL1		1			369605	08/27/21 19:09	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			369725	08/30/21 13:31	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368200	08/13/21 13:42	FDS	TAL PIT

**Client Sample ID: SWA-3**  
**Date Collected: 08/13/21 13:20**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125795-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			369715	08/31/21 20:37	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			368936	08/23/21 16:46	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369088	08/24/21 13:55	RJR	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			369203	08/25/21 14:27	KEM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	368306	08/17/21 13:10	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	368322	08/17/21 17:04	ELS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## Client Sample ID: SWA-3

## Lab Sample ID: 180-125795-2

Date Collected: 08/13/21 13:20

Matrix: Water

Date Received: 08/14/21 09:00

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	368625	08/19/21 16:19	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	369481	08/27/21 16:15	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E		1			369605	08/27/21 19:11	CMR	TAL PIT
		Instrument ID: SEAL1								
Total/NA	Analysis	SM 5310C		1			369725	08/30/21 13:48	KMM	TAL PIT
		Instrument ID: TOC1030								
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 13:20	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SWC-4

## Lab Sample ID: 180-125795-3

Date Collected: 08/13/21 10:35

Matrix: Water

Date Received: 08/14/21 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369715	08/31/21 21:30	J1T	TAL PIT
		Instrument ID: INTEGRION								
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 16:49	RJR	TAL PIT
		Instrument ID: NEMO								
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369088	08/24/21 13:58	RJR	TAL PIT
		Instrument ID: NEMO								
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 14:27	KEM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 10:35	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SWC-5

## Lab Sample ID: 180-125795-4

Date Collected: 08/13/21 10:01

Matrix: Water

Date Received: 08/14/21 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369715	08/31/21 21:48	J1T	TAL PIT
		Instrument ID: INTEGRION								
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 16:52	RJR	TAL PIT
		Instrument ID: NEMO								
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 14:28	KEM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWC-5**  
**Date Collected: 08/13/21 10:01**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125795-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 10:01	FDS	TAL PIT

**Client Sample ID: SWC-6**  
**Date Collected: 08/13/21 12:13**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125795-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			369715	08/31/21 22:06	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			368936	08/23/21 16:55	RJR	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			369203	08/25/21 14:29	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			368200	08/13/21 12:13	FDS	TAL PIT

**Client Sample ID: SWC-7**  
**Date Collected: 08/13/21 11:49**  
**Date Received: 08/14/21 09:00**

**Lab Sample ID: 180-125795-6**  
**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 Instrument ID: INTEGRION		1			369715	08/31/21 22:24	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			368936	08/23/21 16:57	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369088	08/24/21 14:01	RJR	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			369203	08/25/21 14:30	KEM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	368306	08/17/21 13:10	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	368322	08/17/21 17:05	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	369481	08/27/21 16:15	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL1		1			369605	08/27/21 19:13	CMR	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## Client Sample ID: SWC-7

Date Collected: 08/13/21 11:49

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125795-6

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 5310C		1			369725	08/30/21 14:06	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 11:49	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SWC-8

Date Collected: 08/13/21 13:00

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125795-7

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			369715	08/31/21 22:42	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 17:00	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369088	08/24/21 14:04	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 14:33	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 13:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SWC-9

Date Collected: 08/13/21 11:13

Date Received: 08/14/21 09:00

## Lab Sample ID: 180-125795-8

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			369715	08/31/21 23:00	J1T	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	368403	08/18/21 11:09	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			368936	08/23/21 17:03	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	368874	08/23/21 12:44	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 14:34	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368625	08/19/21 16:19	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			368200	08/13/21 11:13	FDS	TAL PIT
Instrument ID: NOEQUIP										

### Laboratory References:

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

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

CMR = Carl Reagle

ELS = Edwin Shireman

MM1 = Mary Beth Miller

TLP = Tara Peterson

Batch Type: Analysis

CMR = Carl Reagle

ELS = Edwin Shireman

FDS = Sampler Field

J1T = Jianwu Tang

KEM = Kimberly Mahoney

KMM = Kendric Moore

RJR = Ron Rosenbaum

1

2

3

4

5

6

7

8

9

10

11

12

13



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWA-2**

**Lab Sample ID: 180-125795-1**

Date Collected: 08/13/21 13:42

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		1.0	0.71	mg/L			08/31/21 19:25	1
Fluoride	0.064	J	0.10	0.026	mg/L			08/31/21 19:25	1
Sulfate	270		5.0	3.8	mg/L			08/31/21 19:43	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:38	1
Barium	0.093		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:38	1
Boron	1.6		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 13:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:38	1
Calcium	46		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:38	1
Cobalt	0.0064		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:38	1
Nickel	0.0014		0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:24	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		08/17/21 13:10	08/17/21 17:02	1
Total Dissolved Solids	500		10	10	mg/L			08/19/21 16:19	1
Cyanide, Total	0.016		0.010	0.0080	mg/L		08/27/21 16:15	08/27/21 19:09	1
Total Organic Carbon - Duplicates	1.4		1.0	0.51	mg/L			08/30/21 13:31	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.07				SU			08/13/21 13:42	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWA-3**

**Lab Sample ID: 180-125795-2**

Date Collected: 08/13/21 13:20

Matrix: Water

Date Received: 08/14/21 09:00

### 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			08/31/21 20:37	1
Fluoride	0.053	J	0.10	0.026	mg/L			08/31/21 20:37	1
Sulfate	64		1.0	0.76	mg/L			08/31/21 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:46	1
Barium	0.038		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:46	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:46	1
Boron	0.51		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 13:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:46	1
Calcium	13		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:46	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:46	1
Cobalt	0.0022	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:46	1
Nickel	0.00071	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:46	1
Vanadium	0.0012		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:46	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:46	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		08/23/21 12:44	08/25/21 14:27	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		08/17/21 13:10	08/17/21 17:04	1
Total Dissolved Solids	180		10	10	mg/L			08/19/21 16:19	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		08/27/21 16:15	08/27/21 19:11	1
Total Organic Carbon - Duplicates	0.91	J	1.0	0.51	mg/L			08/30/21 13:48	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.23				SU			08/13/21 13:20	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWC-4**

**Lab Sample ID: 180-125795-3**

Date Collected: 08/13/21 10:35

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.3		1.0	0.71	mg/L			08/31/21 21:30	1
Fluoride	0.073	J	0.10	0.026	mg/L			08/31/21 21:30	1
Sulfate	120		1.0	0.76	mg/L			08/31/21 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:49	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:49	1
Barium	0.062		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:49	1
Boron	0.75		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 13:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:49	1
Calcium	28		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:49	1
Cobalt	0.0017	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:49	1
Nickel	0.00075	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:49	1
Vanadium	0.0021		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:27	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	280		10	10	mg/L			08/19/21 16:19	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.33				SU			08/13/21 10:35	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWC-5**

**Lab Sample ID: 180-125795-4**

Date Collected: 08/13/21 10:01

Matrix: Water

Date Received: 08/14/21 09:00

**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			08/31/21 21:48	1
Fluoride	0.26		0.10	0.026	mg/L			08/31/21 21:48	1
Sulfate	31		1.0	0.76	mg/L			08/31/21 21:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:52	1
Barium	0.036		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:52	1
Boron	0.048	J ^+	0.080	0.039	mg/L		08/18/21 11:09	08/23/21 16:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:52	1
Calcium	31		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:52	1
Cobalt	0.00063	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:52	1
Nickel	0.00048	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:52	1
Vanadium	0.0022		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			08/19/21 16:19	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.00				SU			08/13/21 10:01	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWC-6**

**Lab Sample ID: 180-125795-5**

Date Collected: 08/13/21 12:13

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.9		1.0	0.71	mg/L			08/31/21 22:06	1
Fluoride	0.087	J	0.10	0.026	mg/L			08/31/21 22:06	1
Sulfate	1.0		1.0	0.76	mg/L			08/31/21 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:55	1
Arsenic	0.00032	J	0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:55	1
Barium	0.023		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:55	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:55	1
Boron	<0.039	^+	0.080	0.039	mg/L		08/18/21 11:09	08/23/21 16:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:55	1
Calcium	12		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:55	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:55	1
Cobalt	0.0012	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:55	1
Nickel	0.00040	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:55	1
Vanadium	0.0027		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:55	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:29	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			08/19/21 16:19	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.63				SU			08/13/21 12:13	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWC-7**

**Lab Sample ID: 180-125795-6**

Date Collected: 08/13/21 11:49

Matrix: Water

Date Received: 08/14/21 09:00

### 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			08/31/21 22:24	1
Fluoride	0.14		0.10	0.026	mg/L			08/31/21 22:24	1
Sulfate	58		1.0	0.76	mg/L			08/31/21 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 16:57	1
Arsenic	0.00033	J	0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 16:57	1
Barium	0.056		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 16:57	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 16:57	1
Boron	0.52		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 14:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 16:57	1
Calcium	22		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 16:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 16:57	1
Cobalt	0.00039	J	0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 16:57	1
Copper	0.0014	J	0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 16:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 16:57	1
Nickel	0.00056	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 16:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 16:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 16:57	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 16:57	1
Vanadium	0.0030		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 16:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:30	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		08/17/21 13:10	08/17/21 17:05	1
Total Dissolved Solids	180		10	10	mg/L			08/19/21 16:19	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		08/27/21 16:15	08/27/21 19:13	1
Total Organic Carbon - Duplicates	3.3		1.0	0.51	mg/L			08/30/21 14:06	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.49				SU			08/13/21 11:49	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWC-8**

**Lab Sample ID: 180-125795-7**

Date Collected: 08/13/21 13:00

Matrix: Water

Date Received: 08/14/21 09:00

### 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			08/31/21 22:42	1
Fluoride	0.061	J	0.10	0.026	mg/L			08/31/21 22:42	1
Sulfate	180		1.0	0.76	mg/L			08/31/21 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 17:00	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 17:00	1
Barium	0.069		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 17:00	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 17:00	1
Boron	1.1		0.080	0.039	mg/L		08/18/21 11:09	08/24/21 14:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 17:00	1
Calcium	33		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 17:00	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 17:00	1
Cobalt	0.0032		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 17:00	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 17:00	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 17:00	1
Nickel	0.00087	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 17:00	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 17:00	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 17:00	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 17:00	1
Vanadium	0.0010		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 17:00	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:33	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10	10	mg/L			08/19/21 16:19	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.30				SU			08/13/21 13:00	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

**Client Sample ID: SWC-9**

**Lab Sample ID: 180-125795-8**

Date Collected: 08/13/21 11:13

Matrix: Water

Date Received: 08/14/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.8		1.0	0.71	mg/L			08/31/21 23:00	1
Fluoride	0.099	J	0.10	0.026	mg/L			08/31/21 23:00	1
Sulfate	2.7		1.0	0.76	mg/L			08/31/21 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 17:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 17:03	1
Barium	0.020		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 17:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 17:03	1
Boron	<0.039	^+	0.080	0.039	mg/L		08/18/21 11:09	08/23/21 17:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 17:03	1
Calcium	9.7		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 17:03	1
Chromium	0.0057		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 17:03	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 17:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 17:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 17:03	1
Nickel	0.00050	J	0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 17:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 17:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 17:03	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 17:03	1
Vanadium	0.0072		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 17:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:34	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	98		10	10	mg/L			08/19/21 16:19	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.04				SU			08/13/21 11:13	1



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

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

**Lab Sample ID: MB 180-369715/19**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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			08/31/21 15:15	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 15:15	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 15:15	1

**Lab Sample ID: LCS 180-369715/18**  
**Matrix: Water**  
**Analysis Batch: 369715**

**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	48.1		mg/L		96	90 - 110
Fluoride	2.50	2.46		mg/L		98	90 - 110
Sulfate	50.0	47.5		mg/L		95	90 - 110

**Lab Sample ID: 180-125795-2 MS**  
**Matrix: Water**  
**Analysis Batch: 369715**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12		50.0	62.2		mg/L		101	90 - 110
Fluoride	0.053	J	2.50	2.75		mg/L		108	90 - 110
Sulfate	64		50.0	110		mg/L		93	90 - 110

**Lab Sample ID: 180-125795-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 369715**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12		50.0	62.3		mg/L		101	90 - 110	0	20
Fluoride	0.053	J	2.50	2.75		mg/L		108	90 - 110	0	20
Sulfate	64		50.0	111		mg/L		93	90 - 110	0	20

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

**Lab Sample ID: MB 180-368403/1-A**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/18/21 11:09	08/23/21 15:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/18/21 11:09	08/23/21 15:58	1
Barium	<0.0016		0.010	0.0016	mg/L		08/18/21 11:09	08/23/21 15:58	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/18/21 11:09	08/23/21 15:58	1
Boron	<0.039		0.080	0.039	mg/L		08/18/21 11:09	08/23/21 15:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/18/21 11:09	08/23/21 15:58	1
Calcium	<0.13		0.50	0.13	mg/L		08/18/21 11:09	08/23/21 15:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/18/21 11:09	08/23/21 15:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/18/21 11:09	08/23/21 15:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/18/21 11:09	08/23/21 15:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/18/21 11:09	08/23/21 15:58	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/18/21 11:09	08/23/21 15:58	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

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

**Lab Sample ID: MB 180-368403/1-A**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		08/18/21 11:09	08/23/21 15:58	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/18/21 11:09	08/23/21 15:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/18/21 11:09	08/23/21 15:58	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/18/21 11:09	08/23/21 15:58	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/18/21 11:09	08/23/21 15:58	1

**Lab Sample ID: LCS 180-368403/2-A**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.238		mg/L		95	80 - 120
Arsenic	1.00	0.999		mg/L		100	80 - 120
Barium	1.00	0.992		mg/L		99	80 - 120
Beryllium	0.500	0.513		mg/L		103	80 - 120
Boron	1.25	1.38		mg/L		110	80 - 120
Cadmium	0.500	0.487		mg/L		97	80 - 120
Calcium	25.0	26.9		mg/L		108	80 - 120
Chromium	0.500	0.498		mg/L		100	80 - 120
Cobalt	0.500	0.480		mg/L		96	80 - 120
Copper	0.500	0.474		mg/L		95	80 - 120
Lead	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.486		mg/L		97	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	0.250	0.247		mg/L		99	80 - 120
Thallium	1.00	1.01		mg/L		101	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.235		mg/L		94	80 - 120

**Lab Sample ID: 180-125793-B-4-B MS**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.241		mg/L		97	75 - 125
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125
Barium	0.036		1.00	1.06		mg/L		102	75 - 125
Beryllium	0.00022	J	0.500	0.516		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.496		mg/L		99	75 - 125
Calcium	46		25.0	74.1		mg/L		114	75 - 125
Chromium	0.0053		0.500	0.491		mg/L		97	75 - 125
Cobalt	<0.00013		0.500	0.488		mg/L		98	75 - 125
Copper	<0.00063		0.500	0.478		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.507		mg/L		101	75 - 125
Nickel	0.00061	J	0.500	0.477		mg/L		95	75 - 125
Selenium	0.0088		1.00	1.03		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00037	J	1.00	1.02		mg/L		102	75 - 125
Vanadium	0.0021		0.500	0.502		mg/L		100	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

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

**Lab Sample ID: 180-125793-B-4-B MS**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.0034	J	0.250	0.238		mg/L		94	75 - 125

**Lab Sample ID: 180-125793-B-4-B MS**  
**Matrix: Water**  
**Analysis Batch: 369088**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.19		1.25	1.52		mg/L		106	75 - 125

**Lab Sample ID: 180-125793-B-4-C MSD**  
**Matrix: Water**  
**Analysis Batch: 368936**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.246		mg/L		98	75 - 125	2	20
Arsenic	<0.00031		1.00	1.09		mg/L		109	75 - 125	6	20
Barium	0.036		1.00	1.07		mg/L		103	75 - 125	1	20
Beryllium	0.00022	J	0.500	0.519		mg/L		104	75 - 125	1	20
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	4	20
Calcium	46		25.0	74.2		mg/L		114	75 - 125	0	20
Chromium	0.0053		0.500	0.489		mg/L		97	75 - 125	0	20
Cobalt	<0.00013		0.500	0.517		mg/L		103	75 - 125	6	20
Copper	<0.00063		0.500	0.501		mg/L		100	75 - 125	5	20
Lead	<0.00013		0.500	0.516		mg/L		103	75 - 125	2	20
Nickel	0.00061	J	0.500	0.504		mg/L		101	75 - 125	6	20
Selenium	0.0088		1.00	1.02		mg/L		101	75 - 125	1	20
Silver	<0.00018		0.250	0.264		mg/L		106	75 - 125	5	20
Thallium	0.00037	J	1.00	1.04		mg/L		104	75 - 125	1	20
Vanadium	0.0021		0.500	0.495		mg/L		99	75 - 125	1	20
Zinc	0.0034	J	0.250	0.258		mg/L		102	75 - 125	8	20

**Lab Sample ID: 180-125793-B-4-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369088**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	0.19		1.25	1.59		mg/L		112	75 - 125	5	20

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

**Lab Sample ID: MB 180-368874/1-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368874**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:44	08/25/21 14:22	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

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

**Lab Sample ID: LCS 180-368874/2-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368874**  
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00252		mg/L		101	80 - 120

**Lab Sample ID: 180-125795-1 MS**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: SWA-2**  
**Prep Type: Total/NA**  
**Prep Batch: 368874**  
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00104		mg/L		104	75 - 125

**Lab Sample ID: 180-125795-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: SWA-2**  
**Prep Type: Total/NA**  
**Prep Batch: 368874**  
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00108		mg/L		108	75 - 125	4	20

## Method: EPA 410.4 - COD

**Lab Sample ID: MB 180-368306/12-A**  
**Matrix: Water**  
**Analysis Batch: 368322**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368306**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		08/17/21 13:10	08/17/21 16:54	1

**Lab Sample ID: LCS 180-368306/11-A**  
**Matrix: Water**  
**Analysis Batch: 368322**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368306**  
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chemical Oxygen Demand	75.0	68.5		mg/L		91	90 - 110

**Lab Sample ID: 180-125795-1 MS**  
**Matrix: Water**  
**Analysis Batch: 368322**

**Client Sample ID: SWA-2**  
**Prep Type: Total/NA**  
**Prep Batch: 368306**  
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Chemical Oxygen Demand	<9.1		25.0	25.2		mg/L		101	90 - 110

**Lab Sample ID: 180-125795-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 368322**

**Client Sample ID: SWA-2**  
**Prep Type: Total/NA**  
**Prep Batch: 368306**  
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chemical Oxygen Demand	<9.1		25.0	27.5		mg/L		110	90 - 110	9	20

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-368625/2**  
**Matrix: Water**  
**Analysis Batch: 368625**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/19/21 16:19	1

**Lab Sample ID: LCS 180-368625/1**  
**Matrix: Water**  
**Analysis Batch: 368625**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	712		mg/L		104	80 - 120

**Lab Sample ID: 180-125792-A-2 DU**  
**Matrix: Water**  
**Analysis Batch: 368625**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	110		105		mg/L		0	10

**Lab Sample ID: 180-125795-4 DU**  
**Matrix: Water**  
**Analysis Batch: 368625**

**Client Sample ID: SWC-5**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	200		213		mg/L		5	10

## Method: SM 4500CN E - Total Cyanide

**Lab Sample ID: MB 180-369481/4-A**  
**Matrix: Water**  
**Analysis Batch: 369605**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 369481**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		08/27/21 16:15	08/27/21 18:48	1

**Lab Sample ID: HLCS 180-369481/2-A**  
**Matrix: Water**  
**Analysis Batch: 369605**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 369481**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.249		mg/L		100	90 - 110

**Lab Sample ID: LCS 180-369481/3-A**  
**Matrix: Water**  
**Analysis Batch: 369605**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 369481**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.200	0.206		mg/L		103	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## Method: SM 4500CN E - Total Cyanide (Continued)

**Lab Sample ID: LLCS 180-369481/1-A**  
**Matrix: Water**  
**Analysis Batch: 369605**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 369481**  
**%Rec.**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.0500	0.0472		mg/L		94	90 - 110

**Lab Sample ID: 180-125778-E-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 369605**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 369481**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.0080	F1	0.200	0.232	F1	mg/L		116	90 - 110

**Lab Sample ID: 180-125778-E-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 369605**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 369481**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.0080	F1	0.200	0.235	F1	mg/L		118	90 - 110	1	20

**Lab Sample ID: 180-125778-E-1-B DU**  
**Matrix: Water**  
**Analysis Batch: 369605**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 369481**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	<0.0080	F1	<0.0080		mg/L		NC	20

## Method: SM 5310C - Total Organic Carbon

**Lab Sample ID: MB 180-369725/6**  
**Matrix: Water**  
**Analysis Batch: 369725**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	<0.51		1.0	0.51	mg/L			08/30/21 13:10	1

**Lab Sample ID: LCS 180-369725/4**  
**Matrix: Water**  
**Analysis Batch: 369725**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Organic Carbon - Duplicates	20.0	19.7		mg/L		98	85 - 115

**Lab Sample ID: LCSD 180-369725/5**  
**Matrix: Water**  
**Analysis Batch: 369725**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**%Rec.**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total Organic Carbon - Duplicates	20.0	19.6		mg/L		98	85 - 115	1	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## HPLC/IC

### Analysis Batch: 369715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-125795-1	SWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-125795-2	SWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-125795-3	SWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-125795-4	SWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-125795-5	SWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-125795-6	SWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-125795-7	SWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-125795-8	SWC-9	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369715/19	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369715/18	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125795-2 MS	SWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-125795-2 MSD	SWA-3	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 368403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total Recoverable	Water	3005A	
180-125795-2	SWA-3	Total Recoverable	Water	3005A	
180-125795-3	SWC-4	Total Recoverable	Water	3005A	
180-125795-4	SWC-5	Total Recoverable	Water	3005A	
180-125795-5	SWC-6	Total Recoverable	Water	3005A	
180-125795-6	SWC-7	Total Recoverable	Water	3005A	
180-125795-7	SWC-8	Total Recoverable	Water	3005A	
180-125795-8	SWC-9	Total Recoverable	Water	3005A	
MB 180-368403/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368403/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125793-B-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-125793-B-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 368874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	7470A	
180-125795-2	SWA-3	Total/NA	Water	7470A	
180-125795-3	SWC-4	Total/NA	Water	7470A	
180-125795-4	SWC-5	Total/NA	Water	7470A	
180-125795-5	SWC-6	Total/NA	Water	7470A	
180-125795-6	SWC-7	Total/NA	Water	7470A	
180-125795-7	SWC-8	Total/NA	Water	7470A	
180-125795-8	SWC-9	Total/NA	Water	7470A	
MB 180-368874/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368874/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125795-1 MS	SWA-2	Total/NA	Water	7470A	
180-125795-1 MSD	SWA-2	Total/NA	Water	7470A	

### Analysis Batch: 368936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total Recoverable	Water	EPA 6020B	368403
180-125795-2	SWA-3	Total Recoverable	Water	EPA 6020B	368403
180-125795-3	SWC-4	Total Recoverable	Water	EPA 6020B	368403

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## Metals (Continued)

### Analysis Batch: 368936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-4	SWC-5	Total Recoverable	Water	EPA 6020B	368403
180-125795-5	SWC-6	Total Recoverable	Water	EPA 6020B	368403
180-125795-6	SWC-7	Total Recoverable	Water	EPA 6020B	368403
180-125795-7	SWC-8	Total Recoverable	Water	EPA 6020B	368403
180-125795-8	SWC-9	Total Recoverable	Water	EPA 6020B	368403
MB 180-368403/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368403
LCS 180-368403/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368403
180-125793-B-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368403
180-125793-B-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368403

### Analysis Batch: 369088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total Recoverable	Water	EPA 6020B	368403
180-125795-2	SWA-3	Total Recoverable	Water	EPA 6020B	368403
180-125795-3	SWC-4	Total Recoverable	Water	EPA 6020B	368403
180-125795-6	SWC-7	Total Recoverable	Water	EPA 6020B	368403
180-125795-7	SWC-8	Total Recoverable	Water	EPA 6020B	368403
180-125793-B-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368403
180-125793-B-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368403

### Analysis Batch: 369203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	EPA 7470A	368874
180-125795-2	SWA-3	Total/NA	Water	EPA 7470A	368874
180-125795-3	SWC-4	Total/NA	Water	EPA 7470A	368874
180-125795-4	SWC-5	Total/NA	Water	EPA 7470A	368874
180-125795-5	SWC-6	Total/NA	Water	EPA 7470A	368874
180-125795-6	SWC-7	Total/NA	Water	EPA 7470A	368874
180-125795-7	SWC-8	Total/NA	Water	EPA 7470A	368874
180-125795-8	SWC-9	Total/NA	Water	EPA 7470A	368874
MB 180-368874/1-A	Method Blank	Total/NA	Water	EPA 7470A	368874
LCS 180-368874/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368874
180-125795-1 MS	SWA-2	Total/NA	Water	EPA 7470A	368874
180-125795-1 MSD	SWA-2	Total/NA	Water	EPA 7470A	368874

## General Chemistry

### Prep Batch: 368306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	410.4	
180-125795-2	SWA-3	Total/NA	Water	410.4	
180-125795-6	SWC-7	Total/NA	Water	410.4	
MB 180-368306/12-A	Method Blank	Total/NA	Water	410.4	
LCS 180-368306/11-A	Lab Control Sample	Total/NA	Water	410.4	
180-125795-1 MS	SWA-2	Total/NA	Water	410.4	
180-125795-1 MSD	SWA-2	Total/NA	Water	410.4	

### Analysis Batch: 368322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	EPA 410.4	368306
180-125795-2	SWA-3	Total/NA	Water	EPA 410.4	368306

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## General Chemistry (Continued)

### Analysis Batch: 368322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-6	SWC-7	Total/NA	Water	EPA 410.4	368306
MB 180-368306/12-A	Method Blank	Total/NA	Water	EPA 410.4	368306
LCS 180-368306/11-A	Lab Control Sample	Total/NA	Water	EPA 410.4	368306
180-125795-1 MS	SWA-2	Total/NA	Water	EPA 410.4	368306
180-125795-1 MSD	SWA-2	Total/NA	Water	EPA 410.4	368306

### Analysis Batch: 368625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	SM 2540C	
180-125795-2	SWA-3	Total/NA	Water	SM 2540C	
180-125795-3	SWC-4	Total/NA	Water	SM 2540C	
180-125795-4	SWC-5	Total/NA	Water	SM 2540C	
180-125795-5	SWC-6	Total/NA	Water	SM 2540C	
180-125795-6	SWC-7	Total/NA	Water	SM 2540C	
180-125795-7	SWC-8	Total/NA	Water	SM 2540C	
180-125795-8	SWC-9	Total/NA	Water	SM 2540C	
MB 180-368625/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368625/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125792-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	
180-125795-4 DU	SWC-5	Total/NA	Water	SM 2540C	

### Prep Batch: 369481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	SM 4500 CN C	
180-125795-2	SWA-3	Total/NA	Water	SM 4500 CN C	
180-125795-6	SWC-7	Total/NA	Water	SM 4500 CN C	
MB 180-369481/4-A	Method Blank	Total/NA	Water	SM 4500 CN C	
HLCS 180-369481/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LCS 180-369481/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LLCS 180-369481/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
180-125778-E-1-C MS	Matrix Spike	Total/NA	Water	SM 4500 CN C	
180-125778-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN C	
180-125778-E-1-B DU	Duplicate	Total/NA	Water	SM 4500 CN C	

### Analysis Batch: 369605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	SM 4500CN E	369481
180-125795-2	SWA-3	Total/NA	Water	SM 4500CN E	369481
180-125795-6	SWC-7	Total/NA	Water	SM 4500CN E	369481
MB 180-369481/4-A	Method Blank	Total/NA	Water	SM 4500CN E	369481
HLCS 180-369481/2-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	369481
LCS 180-369481/3-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	369481
LLCS 180-369481/1-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	369481
180-125778-E-1-C MS	Matrix Spike	Total/NA	Water	SM 4500CN E	369481
180-125778-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500CN E	369481
180-125778-E-1-B DU	Duplicate	Total/NA	Water	SM 4500CN E	369481

### Analysis Batch: 369725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	SM 5310C	
180-125795-2	SWA-3	Total/NA	Water	SM 5310C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Landfill Surfacewater

Job ID: 180-125795-1

## General Chemistry (Continued)

### Analysis Batch: 369725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-6	SWC-7	Total/NA	Water	SM 5310C	
MB 180-369725/6	Method Blank	Total/NA	Water	SM 5310C	
LCS 180-369725/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 180-369725/5	Lab Control Sample Dup	Total/NA	Water	SM 5310C	

## Field Service / Mobile Lab

### Analysis Batch: 368200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125795-1	SWA-2	Total/NA	Water	Field Sampling	
180-125795-2	SWA-3	Total/NA	Water	Field Sampling	
180-125795-3	SWC-4	Total/NA	Water	Field Sampling	
180-125795-4	SWC-5	Total/NA	Water	Field Sampling	
180-125795-5	SWC-6	Total/NA	Water	Field Sampling	
180-125795-6	SWC-7	Total/NA	Water	Field Sampling	
180-125795-7	SWC-8	Total/NA	Water	Field Sampling	
180-125795-8	SWC-9	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**



THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

<b>Client Contact</b>		<b>Project Manager: Dawn Prell</b>		<b>Site Contact: Dawn Prell</b>		<b>Date: 8/13/2021</b>		<b>COC No:</b>					
Joju Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		___1___ of ___1___ COCs					
Southern Company		<b>Analysis Turnaround Time</b>		Filtered Sample (Y/N) Perform MS/MSD (Y/N) Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Ti, Vn, Zn Cl, F, SO4, TDS Chemical Oxygen Demand TOC Cyanide		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sampler: <b>For Lab Use Only:</b> Walk-in Client: Lab Sampling: Job / SDG No.: Sample Specific Notes:					
241 Ralph McGill Blvd SE B10185													
Atlanta, GA 30308													
JAbraham@southernco.com													
<b>Project Name: Plant Scherer Landfill Surface Water</b>													
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)	Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Ti, Vn, Zn	Cl, F, SO4, TDS	Chemical Oxygen Demand	TOC	Cyanide	Sample Specific Notes
<del>SWA-1</del>													SWA-1 DRY NO SAMPLE
SWA-2	8/13/2021	13:42	G	Water	7			X	X	X	X	X	pH = 7.07
SWA-3	8/13/2021	13:20	G	Water	7			X	X	X	X	X	pH = 7.23
SWC-4	8/13/2021	10:35	G	Water	2			X	X				pH = 7.33
SWC-5	8/13/2021	10:01	G	Water	2			X	X				pH = 7.00
SWC-6	8/13/2021	12:13	G	Water	2			X	X				pH = 7.63
SWC-7	8/13/2021	11:49	G	Water	7			X	X	X	X	X	pH = 7.49
SWC-8	8/13/2021	13:00	G	Water	2			X	X				pH = 7.30
SWC-9	8/13/2021	11:13	G	Water	2			X	X				pH = 7.04



180-125795 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  Flam  Irritant  Poison  Unknown

**Sample Disposal (A fee may be assessed if sample is returned longer than 1 month):**  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Special Instructions/QC Requirements & Comments:**

<b>Custody Seals Intact:</b> <input type="checkbox"/> <input type="checkbox"/>		<b>Custody Seal No.:</b>		<b>Cooler Temp. (°C):</b> Obs'd: _____		<b>Corrd:</b>		<b>Therm ID No.:</b>	
Relinquished by: <i>[Signature]</i>	Company: <i>Goldber</i>	Date/Time: <i>17:00 8/13/21</i>	Received by: <i>[Signature]</i>	Company: <i>ETA</i>	Date/Time: <i>8/13/21</i>	Received by: <i>[Signature]</i>	Company: <i>[Signature]</i>	Date/Time: <i>8-14-21</i>	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:				

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125795-1

**Login Number: 125795**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-125973-1  
Client Project/Site: Plant Scherer Effluent

For:  
Southern Company  
241 Ralph McGill Blvd SE  
B10185  
Atlanta, Georgia 30308

Attn: Joju Abraham



Authorized for release by:  
8/30/2021 3:01:10 PM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:  
[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	9
QC Sample Results . . . . .	10
QC Association Summary . . . . .	13
Chain of Custody . . . . .	14
Receipt Checklists . . . . .	16

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

---

**Job ID: 180-125973-1**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

---

**Narrative**

**Job Narrative  
180-125973-1**

**Comments**

No additional comments.

**Receipt**

The sample was received on 8/19/2021 9:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

**Receipt Exceptions**

The Field Sampler was not listed on the Chain of Custody.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished.

**Metals**

Method 3005A: The following sample was diluted due to the nature of the sample matrix: Effluent (180-125973-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**Field Service / Mobile Lab**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21 *
California	State	2891	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-22
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-22
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-22
Texas	NELAP	T104704528	03-31-22
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-26-21

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-125973-1	Effluent	Water	08/17/21 13:20	08/19/21 09:15

1

2

3

4

5

6

7

8

9

10

11

12

13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

**Client Sample ID: Effluent**

**Lab Sample ID: 180-125973-1**

**Date Collected: 08/17/21 13:20**

**Matrix: Water**

**Date Received: 08/19/21 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			5 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:56	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 15:03	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	Field Sampling		1			369637	08/17/21 13:20	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

MM1 = Mary Beth Miller

TLP = Tara Peterson

Batch Type: Analysis

FDS = Sampler Field

KEM = Kimberly Mahoney

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

**Client Sample ID: Effluent**  
Date Collected: 08/17/21 13:20  
Date Received: 08/19/21 09:15

**Lab Sample ID: 180-125973-1**  
Matrix: Water

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.014	J	0.020	0.0038	mg/L		08/20/21 12:11	08/24/21 20:56	1
Arsenic	0.13		0.010	0.0031	mg/L		08/20/21 12:11	08/24/21 20:56	1
Barium	1.9		0.10	0.016	mg/L		08/20/21 12:11	08/24/21 20:56	1
Beryllium	0.0077	J	0.025	0.0018	mg/L		08/20/21 12:11	08/24/21 20:56	1
Cadmium	0.086		0.025	0.0022	mg/L		08/20/21 12:11	08/24/21 20:56	1
Chromium	1.0		0.020	0.015	mg/L		08/20/21 12:11	08/24/21 20:56	1
Cobalt	0.042		0.025	0.0013	mg/L		08/20/21 12:11	08/24/21 20:56	1
Copper	0.35		0.020	0.0063	mg/L		08/20/21 12:11	08/24/21 20:56	1
Lead	0.11		0.010	0.0013	mg/L		08/20/21 12:11	08/24/21 20:56	1
Nickel	0.51		0.010	0.0034	mg/L		08/20/21 12:11	08/24/21 20:56	1
Selenium	0.33		0.050	0.015	mg/L		08/20/21 12:11	08/24/21 20:56	1
Silver	0.0043	J	0.010	0.0018	mg/L		08/20/21 12:11	08/24/21 20:56	1
Thallium	0.0030	J	0.010	0.0015	mg/L		08/20/21 12:11	08/24/21 20:56	1
Vanadium	0.45		0.010	0.0099	mg/L		08/20/21 12:11	08/24/21 20:56	1
Zinc	3.8		0.050	0.032	mg/L		08/20/21 12:11	08/24/21 20:56	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0047		0.00020	0.00013	mg/L		08/23/21 12:47	08/25/21 15:03	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.69				SU			08/17/21 13:20	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-368730/1-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 19:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 19:25	1
Barium	<0.0016		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 19:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 19:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 19:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 19:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 19:25	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 19:25	1

**Lab Sample ID: LCS 180-368730/2-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.254		mg/L		102	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.506		mg/L		101	80 - 120
Cadmium	0.500	0.535		mg/L		107	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Copper	0.500	0.527		mg/L		105	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Nickel	0.500	0.515		mg/L		103	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.250	0.259		mg/L		104	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.515		mg/L		103	80 - 120
Zinc	0.250	0.259		mg/L		104	80 - 120

**Lab Sample ID: 180-125969-B-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.250		mg/L		100	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.015		1.00	1.08		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.541		mg/L		108	75 - 125
Chromium	0.0015	J	0.500	0.519		mg/L		103	75 - 125
Cobalt	0.00039	J	0.500	0.513		mg/L		103	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

## Method: EPA 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: 180-125969-B-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	<0.00063		0.500	0.530		mg/L		106	75 - 125
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125
Nickel	0.00047	J	0.500	0.518		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.260		mg/L		104	75 - 125
Thallium	0.00015	J	1.00	1.06		mg/L		106	75 - 125
Vanadium	<0.00099		0.500	0.518		mg/L		104	75 - 125
Zinc	<0.0032		0.250	0.263		mg/L		105	75 - 125

**Lab Sample ID: 180-125969-B-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.252		mg/L		101	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	2	20
Barium	0.015		1.00	1.07		mg/L		105	75 - 125	1	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Cadmium	<0.00022		0.500	0.535		mg/L		107	75 - 125	1	20
Chromium	0.0015	J	0.500	0.527		mg/L		105	75 - 125	1	20
Cobalt	0.00039	J	0.500	0.524		mg/L		105	75 - 125	2	20
Copper	<0.00063		0.500	0.534		mg/L		107	75 - 125	1	20
Lead	<0.00013		0.500	0.538		mg/L		108	75 - 125	1	20
Nickel	0.00047	J	0.500	0.524		mg/L		105	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	1	20
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125	0	20
Thallium	0.00015	J	1.00	1.08		mg/L		108	75 - 125	1	20
Vanadium	<0.00099		0.500	0.526		mg/L		105	75 - 125	2	20
Zinc	<0.0032		0.250	0.266		mg/L		106	75 - 125	1	20

## Method: EPA 7470A - Mercury (CVAA)

**Lab Sample ID: MB 180-368875/1-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:47	08/25/21 14:44	1

**Lab Sample ID: LCS 180-368875/2-A**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

## Method: EPA 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID: 180-125920-E-5-E MS**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.000932		mg/L		93	75 - 125

**Lab Sample ID: 180-125920-E-5-F MSD**  
**Matrix: Water**  
**Analysis Batch: 369203**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 368875**  
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00100		mg/L		100	75 - 125	7	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-125973-1

## Metals

### Prep Batch: 368730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125973-1	Effluent	Total Recoverable	Water	3005A	
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 368875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125973-1	Effluent	Total/NA	Water	7470A	
MB 180-368875/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	7470A	
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 369103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125973-1	Effluent	Total Recoverable	Water	EPA 6020B	368730
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368730
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368730

### Analysis Batch: 369203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125973-1	Effluent	Total/NA	Water	EPA 7470A	368875
MB 180-368875/1-A	Method Blank	Total/NA	Water	EPA 7470A	368875
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	368875

## Field Service / Mobile Lab

### Analysis Batch: 369637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125973-1	Effluent	Total/NA	Water	Field Sampling	

**TestAmerica Pittsburgh**

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.


Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact		Project Manager: Dawn Prell		Site Contact: Dawn Prell		Date:		COC No:	
Joju Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		___1___ of ___1___ COCs	
Southern Company		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N)		Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Ti, Vn, Zn		Sampler:	
241 Ralph McGill Blvd SE B10185		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only:	
Atlanta, GA 30308		TAT if different from Below _____						Walk-in Client:	
JAbraham@southernco.com		<input type="checkbox"/> 2 weeks						Lab Sampling:	
Project Name: CCR - Plant Scherer Effluent		<input type="checkbox"/> 1 week						Job / SDG No.:	
Site: Georgia		<input type="checkbox"/> 2 days							
P O #		<input type="checkbox"/> 1 day						Sample Specific Notes:	
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.				
Effluent	8/17/2021	13:20	G	Water	1	X			pH = 5.69
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; = 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.						Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Cor'd:		Therm ID No.:	
Relinquished by: <i>SNW...</i>		Company: <i>GOLDER</i>		Date/Time: <i>08/18/21 08:04</i>		Received by: <i>Elaine Cook</i>		Company: <i>Courier Now</i>	
Relinquished by: <i>[Signature]</i>		Company:		Date/Time: <i>8/18/21 10:22</i>		Received by: <i>[Signature]</i>		Company: <i>[Signature]</i>	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <i>[Signature]</i>		Company: <i>STARCO</i>	



TRK#: 1516 9332 0409

USIM TR

 eurofins  
Environment Testing  
TestAmerica

Part # 159469-434 RITZ EXP 0422

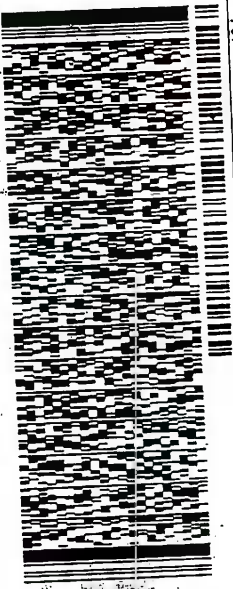
8/30/2021

ORIGIN ID: LITVA (678) 966-9981  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NM  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 18AUG21  
ACTWEIGHT: 60.90 LB  
CAD: 859116/CAFE3409  
BILL THIRD PARTY

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDG PARK  
PITTSBURGH PA 15238

REF: (412) 983-7058  
DEPT: 101



Page 2 of 5

TRK# 1516 9332 0409  
0201

THU - 19 AUG 10:30A  
PRIORITY OVERNIGHT

**NA AGCA**

15238  
PIT

Uncorrected temp  
Thermometer ID

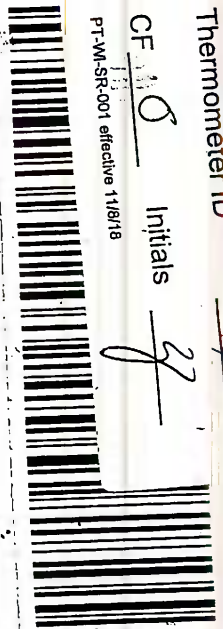
34 °C

PA-US

CF MO Initials 27  
PT-WM-SR-001 effective 11/8/18



180-125973 Waybill



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125973-1

**Login Number: 125973**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

**APPENDIX B**

Laboratory Analytical Data  
October 2021

## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-128779-1

Client Project/Site: Plant Scherer Cell 1 Resample

**For:**

Southern Company  
241 Ralph McGill Blvd SE  
B10185  
Atlanta, Georgia 30308

Attn: Joju Abraham



Authorized for release by:  
11/5/2021 11:56:32 AM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:

[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	9
QC Sample Results . . . . .	13
QC Association Summary . . . . .	15
Chain of Custody . . . . .	16
Receipt Checklists . . . . .	17

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

---

**Job ID: 180-128779-1**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative**  
**180-128779-1**

### Receipt

The samples were received on 10/20/2021 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### 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  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21 *
California	State	2891	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-22
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-22
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-22
Texas	NELAP	T104704528	03-31-22
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-15-22
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-22

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128779-1	GWC-10	Water	10/18/21 15:54	10/20/21 15:00
180-128779-2	GWC-1	Water	10/18/21 16:55	10/20/21 15:00
180-128779-3	DUP-1	Water	10/18/21 00:00	10/20/21 15:00
180-128779-4	EB-1	Water	10/18/21 13:42	10/20/21 15:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

**Client Sample ID: GWC-10**  
**Date Collected: 10/18/21 15:54**  
**Date Received: 10/20/21 15:00**

**Lab Sample ID: 180-128779-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	376866	10/28/21 12:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			377071	10/29/21 13:54	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	Field Sampling		1			377471	10/18/21 15:54	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-1**  
**Date Collected: 10/18/21 16:55**  
**Date Received: 10/20/21 15:00**

**Lab Sample ID: 180-128779-2**  
**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			376071	10/21/21 09:33	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total/NA	Analysis	Field Sampling		1			377471	10/18/21 16:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: DUP-1**  
**Date Collected: 10/18/21 00:00**  
**Date Received: 10/20/21 15:00**

**Lab Sample ID: 180-128779-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	376866	10/28/21 12:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			377071	10/29/21 13:58	RSK	TAL PIT
Instrument ID: A										

**Client Sample ID: EB-1**  
**Date Collected: 10/18/21 13:42**  
**Date Received: 10/20/21 15:00**

**Lab Sample ID: 180-128779-4**  
**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			376071	10/21/21 09:17	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376866	10/28/21 12:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			377071	10/29/21 14:02	RSK	TAL PIT
Instrument ID: A										

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

Batch Type: Analysis

FDS = Sampler Field

J1T = Jianwu Tang

RSK = Robert Kurtz

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-128779-1**

Date Collected: 10/18/21 15:54

Matrix: Water

Date Received: 10/20/21 15:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.031</b>		0.010	0.0016	mg/L		10/28/21 12:27	10/29/21 13:54	1
<b>Chromium</b>	<b>0.019</b>		0.0020	0.0015	mg/L		10/28/21 12:27	10/29/21 13:54	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		10/28/21 12:27	10/29/21 13:54	1
Copper	<0.00063		0.0020	0.00063	mg/L		10/28/21 12:27	10/29/21 13:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		10/28/21 12:27	10/29/21 13:54	1
<b>Nickel</b>	<b>0.0020</b>		0.0010	0.00034	mg/L		10/28/21 12:27	10/29/21 13:54	1
<b>Vanadium</b>	<b>0.013</b>		0.0010	0.00099	mg/L		10/28/21 12:27	10/29/21 13:54	1
Zinc	<0.0032		0.0050	0.0032	mg/L		10/28/21 12:27	10/29/21 13:54	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.25</b>				SU			10/18/21 15:54	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

**Client Sample ID: GWC-1**

**Lab Sample ID: 180-128779-2**

Date Collected: 10/18/21 16:55

Matrix: Water

Date Received: 10/20/21 15:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.081	J	0.10	0.026	mg/L			10/21/21 09:33	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.36				SU			10/18/21 16:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 180-128779-3**

Date Collected: 10/18/21 00:00

Matrix: Water

Date Received: 10/20/21 15:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.031</b>		0.010	0.0016	mg/L		10/28/21 12:27	10/29/21 13:58	1
<b>Chromium</b>	<b>0.019</b>		0.0020	0.0015	mg/L		10/28/21 12:27	10/29/21 13:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		10/28/21 12:27	10/29/21 13:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		10/28/21 12:27	10/29/21 13:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		10/28/21 12:27	10/29/21 13:58	1
<b>Nickel</b>	<b>0.0017</b>		0.0010	0.00034	mg/L		10/28/21 12:27	10/29/21 13:58	1
<b>Vanadium</b>	<b>0.014</b>		0.0010	0.00099	mg/L		10/28/21 12:27	10/29/21 13:58	1
Zinc	<0.0032		0.0050	0.0032	mg/L		10/28/21 12:27	10/29/21 13:58	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

**Client Sample ID: EB-1**

**Lab Sample ID: 180-128779-4**

Date Collected: 10/18/21 13:42

Matrix: Water

Date Received: 10/20/21 15:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			10/21/21 09:17	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.0016		0.010	0.0016	mg/L		10/28/21 12:27	10/29/21 14:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		10/28/21 12:27	10/29/21 14:02	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		10/28/21 12:27	10/29/21 14:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		10/28/21 12:27	10/29/21 14:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		10/28/21 12:27	10/29/21 14:02	1
Nickel	<0.00034		0.0010	0.00034	mg/L		10/28/21 12:27	10/29/21 14:02	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		10/28/21 12:27	10/29/21 14:02	1
Zinc	<0.0032		0.0050	0.0032	mg/L		10/28/21 12:27	10/29/21 14:02	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

**Lab Sample ID: MB 180-376071/6**  
**Matrix: Water**  
**Analysis Batch: 376071**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			10/21/21 09:00	1

**Lab Sample ID: LCS 180-376071/5**  
**Matrix: Water**  
**Analysis Batch: 376071**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.65		mg/L		106	90 - 110

**Lab Sample ID: 180-128779-2 MS**  
**Matrix: Water**  
**Analysis Batch: 376071**

**Client Sample ID: GWC-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.081	J	2.50	2.63		mg/L		102	90 - 110

**Lab Sample ID: 180-128779-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 376071**

**Client Sample ID: GWC-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.081	J	2.50	2.83		mg/L		110	90 - 110	7	20

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-376866/1-A**  
**Matrix: Water**  
**Analysis Batch: 377071**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376866**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.0016		0.010	0.0016	mg/L		10/28/21 12:27	10/29/21 12:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		10/28/21 12:27	10/29/21 12:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		10/28/21 12:27	10/29/21 12:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		10/28/21 12:27	10/29/21 12:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		10/28/21 12:27	10/29/21 12:38	1
Nickel	<0.00034		0.0010	0.00034	mg/L		10/28/21 12:27	10/29/21 12:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		10/28/21 12:27	10/29/21 12:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		10/28/21 12:27	10/29/21 12:38	1

**Lab Sample ID: LCS 180-376866/2-A**  
**Matrix: Water**  
**Analysis Batch: 377071**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376866**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	1.00	0.999		mg/L		100	80 - 120
Chromium	0.500	0.497		mg/L		99	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Copper	0.500	0.507		mg/L		101	80 - 120
Lead	0.500	0.503		mg/L		101	80 - 120
Nickel	0.500	0.505		mg/L		101	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

## Method: EPA 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 180-376866/2-A**  
**Matrix: Water**  
**Analysis Batch: 377071**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376866**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.495		mg/L		99	80 - 120
Zinc	0.250	0.251		mg/L		100	80 - 120

**Lab Sample ID: 180-128726-F-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 377071**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376866**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.54		1.00	1.54		mg/L		100	75 - 125
Chromium	0.0018	J	0.500	0.490		mg/L		98	75 - 125
Cobalt	<0.00013		0.500	0.500		mg/L		100	75 - 125
Copper	0.015		0.500	0.526		mg/L		102	75 - 125
Lead	0.00021	J	0.500	0.498		mg/L		100	75 - 125
Nickel	<0.00034		0.500	0.494		mg/L		99	75 - 125
Vanadium	<0.00099		0.500	0.487		mg/L		97	75 - 125
Zinc	0.032		0.250	0.289		mg/L		103	75 - 125

**Lab Sample ID: 180-128726-F-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 377071**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376866**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	0.54		1.00	1.60		mg/L		106	75 - 125	4	20
Chromium	0.0018	J	0.500	0.503		mg/L		100	75 - 125	3	20
Cobalt	<0.00013		0.500	0.516		mg/L		103	75 - 125	3	20
Copper	0.015		0.500	0.525		mg/L		102	75 - 125	0	20
Lead	0.00021	J	0.500	0.514		mg/L		103	75 - 125	3	20
Nickel	<0.00034		0.500	0.507		mg/L		101	75 - 125	3	20
Vanadium	<0.00099		0.500	0.503		mg/L		101	75 - 125	3	20
Zinc	0.032		0.250	0.282		mg/L		100	75 - 125	2	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128779-1

## HPLC/IC

### Analysis Batch: 376071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128779-2	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-128779-4	EB-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-376071/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-376071/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-128779-2 MS	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-128779-2 MSD	GWC-1	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 376866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128779-1	GWC-10	Total Recoverable	Water	3005A	
180-128779-3	DUP-1	Total Recoverable	Water	3005A	
180-128779-4	EB-1	Total Recoverable	Water	3005A	
MB 180-376866/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-376866/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-128726-F-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-128726-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 377071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128779-1	GWC-10	Total Recoverable	Water	EPA 6020B	376866
180-128779-3	DUP-1	Total Recoverable	Water	EPA 6020B	376866
180-128779-4	EB-1	Total Recoverable	Water	EPA 6020B	376866
MB 180-376866/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	376866
LCS 180-376866/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	376866
180-128726-F-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	376866
180-128726-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	376866

## Field Service / Mobile Lab

### Analysis Batch: 377471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128779-1	GWC-10	Total/NA	Water	Field Sampling	
180-128779-2	GWC-1	Total/NA	Water	Field Sampling	

TestAmerica Pittsburgh

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

# 244- ATLANTA

## Chain of Custody Record

# 44- ATLANTA



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

<b>Client Contact</b>		<b>Project Manager: Dawn Prell</b>		<b>Site Contact: Dawn Prell</b>		<b>Date:</b>		<b>COC No:</b>	
Joju Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		_ 1 _ of _ 1 _ COCs	
Southern Company		<b>Analysis Turnaround Time</b>		Filtered Sample (Y/N) Perform MS / MSD (Y / N) Fluoride Ba, Cr, Co, Cu, Pb, Ni, V, Zn				<b>Sampler:</b> For Lab Use Only: Walk-in Client: <input type="checkbox"/> Lab Sampling: <input type="checkbox"/> Job / SDG No.:  Sample Specific Notes:	
241 Ralph McGill Blvd SE B10185		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below ___3-5 days___							
Atlanta, GA 30308		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
JAbraham@southernco.com									
Project Name: CCR - Plant Scherer Cell 1 Resample									
Site: Georgia									
P O #									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Fluoride	Ba, Cr, Co, Cu, Pb, Ni, V, Zn		
GWC-10	10/18/2021	15:54	G	GW	1		X	pH = 6.25	
GWC-1	10/18/2021	16:55	G	GW	1	X		pH = 6.36	
DUP-1	10/18/2021	--	G	GW	1		X	pH = NA	
EB-1	10/18/2021	13:42	G	Water	2	X	X	pH = NA	
<b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other						1    4			
<b>Possible Hazard Identification:</b> 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. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b> <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
<b>Special Instructions/QC Requirements &amp; Comments:</b>									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____		Therm ID No.:			
Relinquished by: <i>JUSE WAGESPACK / SAMPLER</i>		Company: <i>COLDER</i>		Date/Time: <i>10.19/11:00</i>		Received by: <i>[Signature]</i>		Company: <i>ETA</i>	
Relinquished by: <i>[Signature]</i>		Company: <i>ETA</i>		Date/Time: <i>10/19/21 / 11:00</i>		Received by: <i>[Signature]</i>		Company: <i>ETA</i>	
Relinquished by: <i>[Signature]</i>		Company: _____		Date/Time: _____		Received in Laboratory by: _____		Company: _____	
								Date/Time: <i>15:00</i>	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-128779-1

**Login Number: 128779**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-128310-1

Client Project/Site: Plant Scherer Cell 1 Resample

For:

Southern Company  
241 Ralph McGill Blvd SE  
B10185  
Atlanta, Georgia 30308

Attn: Joju Abraham



Authorized for release by:  
10/25/2021 3:54:16 PM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

Visit us at:

[www.eurofina.com/ETM](http://www.eurofina.com/ETM)

*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

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	9
QC Sample Results . . . . .	11
QC Association Summary . . . . .	12
Chain of Custody . . . . .	13
Receipt Checklists . . . . .	14





# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

---

## Job ID: 180-128310-1

---

Laboratory: Eurofins TestAmerica, Pittsburgh

### Narrative

---

Job Narrative  
180-128310-1

### Comments

No additional comments.

### Receipt

The samples were received on 10/9/2021 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0° C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The containers received for the following sample did not match the information listed on the Chain-of-Custody (COC): FB-1 (180-128310-2). One unpreserved container was received, while the COC lists Calcium only.

### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21 *
California	State	2891	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-22
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-22
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-22
Texas	NELAP	T104704528	03-31-22
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-15-22
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-22

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128310-1	GWC-19	Water	10/07/21 13:03	10/09/21 10:15
180-128310-2	FB-1	Water	10/07/21 13:03	10/09/21 10:15

1

2

3

4

5

6

7

8

9

10

11

12

13

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-128310-1**

**Date Collected: 10/07/21 13:03**

**Matrix: Water**

**Date Received: 10/09/21 10:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	376007	10/20/21 13:50	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376325	10/22/21 13:37	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	Field Sampling		1			376097	10/07/21 13:03	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB-1**

**Lab Sample ID: 180-128310-2**

**Date Collected: 10/07/21 13:03**

**Matrix: Water**

**Date Received: 10/09/21 10:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	376007	10/20/21 13:50	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376325	10/22/21 13:47	RSK	TAL PIT
Instrument ID: DORY										

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

MM1 = Mary Beth Miller

Batch Type: Analysis

FDS = Sampler Field

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-128310-1**

Date Collected: 10/07/21 13:03

Matrix: Water

Date Received: 10/09/21 10:15

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	17		0.50	0.13	mg/L		10/20/21 13:50	10/22/21 13:37	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.79				SU			10/07/21 13:03	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

**Client Sample ID: FB-1**

**Lab Sample ID: 180-128310-2**

**Date Collected: 10/07/21 13:03**

**Matrix: Water**

**Date Received: 10/09/21 10:15**

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.50	0.13	mg/L		10/20/21 13:50	10/22/21 13:47	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-376007/1-A**  
**Matrix: Water**  
**Analysis Batch: 376325**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376007**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.50	0.13	mg/L		10/20/21 13:50	10/22/21 12:49	1

**Lab Sample ID: LCS 180-376007/2-A**  
**Matrix: Water**  
**Analysis Batch: 376325**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376007**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	25.0	26.1		mg/L		104	80 - 120

**Lab Sample ID: 180-127624-G-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 376325**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376007**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	<0.13		25.0	29.4		mg/L		118	75 - 125

**Lab Sample ID: 180-127624-G-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 376325**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 376007**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	<0.13		25.0	28.8		mg/L		115	75 - 125	2	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Resample

Job ID: 180-128310-1

## Metals

### Prep Batch: 376007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128310-1	GWC-19	Total Recoverable	Water	3005A	
180-128310-2	FB-1	Total Recoverable	Water	3005A	
MB 180-376007/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-376007/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-127624-G-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-127624-G-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 376325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128310-1	GWC-19	Total Recoverable	Water	EPA 6020B	376007
180-128310-2	FB-1	Total Recoverable	Water	EPA 6020B	376007
MB 180-376007/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	376007
LCS 180-376007/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	376007
180-127624-G-2-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	376007
180-127624-G-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	376007

## Field Service / Mobile Lab

### Analysis Batch: 376097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128310-1	GWC-19	Total/NA	Water	Field Sampling	

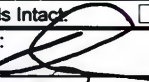


**TestAmerica Pittsburgh**

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:

<b>Client Contact</b>		<b>Project Manager: Dawn Prell</b>		<b>Site Contact: Dawn Prell</b>		<b>Date:</b>		<b>COC No:</b>		
Joju Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shali Brown		Carrier:		_ 1 _ of _ 1 _ COCs		
Southern Company		<b>Analysis Turnaround Time</b>		Filtered Sample (Y/N) Perform MS/MSD (Y/N)				Sampler:		
241 Ralph McGill Blvd SE B10185		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only:		
Atlanta, GA 30308		TAT if different from Below ___ 3-5 days ___						Walk-in Client:		
JAbraham@southernco.com		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Lab Sampling:		
Project Name: CCR - Plant Scherer Cell 1 Resample						Job / SDG No.:				
Site: Georgia								Sample Specific Notes:		
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)	Calcium	
GWC-19		10/7/2021	13:03	G	GW	1			X	pH = 6.79
FB-1		10/7/2021	13:03	G	Water	1			X	pH = N/A
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.								Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Cor'd:		Therm ID No.:		
Relinquished by: 		Company: <i>Crude Assn</i>		Date/Time: <i>10/8/21 1:30</i>		Received by: <i>Shali Brown</i>		Company: <i>Duke</i>		
Relinquished by: 		Company: <i>EVN 16102</i>		Date/Time: <i>10/5/21</i>		Received by: <i>Shali Brown</i>		Company: <i>Duke</i>		
Relinquished by: 		Company:		Date/Time:		Received in Laboratory by:		Company: <i>Duke</i>		



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-128310-1

**Login Number: 128310**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	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	

**APPENDIX B**

**Laboratory Accreditation**





### Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 013-004 expiration date 04/30/2021. 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) 363-7038

EPA Laboratory ID: 02-00416  
 EPA Lab Code: PA00164  
 TNI Code: TNI02131  
 PAQWIS ID: 02418

#### Matrix: Non-Potable Water

Method	Reaction	Analyte	Accreditation Type	Primary State	Effective Date
ASTM D1507 M		Hydrochloric acid, purity	MSLAP	PA	09/21/2017
ASTM D1507 M		Sulfuric acid	MSLAP	PA	09/21/2017
EPA 1010	A	Chloride	MSLAP	PA	05/04/2010
EPA 1011		Calcium	MSLAP	PA	11/11/2011
EPA 1011		Calcium, dissolved, including magnesium, total	MSLAP	PA	12/01/2011
EPA 1012		Lead	MSLAP	PA	02/03/2011
EPA 1014	A	Sulfate, dissolved	MSLAP	PA	04/01/2011
EPA 1024	A	Dissolved organic carbon	MSLAP	PA	04/01/2011
EPA 1024	B	Total organic carbon	MSLAP	PA	01/13/2014
EPA 1024	B	Dissolved organic carbon	MSLAP	PA	01/13/2014
EPA 1025		Iron	MSLAP	PA	08/05/2011
EPA 1027	44	Arsenic	MSLAP	PA	04/07/2016
EPA 1027	44	Arsenic	MSLAP	PA	04/07/2017
EPA 1027	44	Arsenic	MSLAP	PA	04/01/2016
EPA 1027	44	Arsenic	MSLAP	PA	04/01/2016
EPA 1027	44	Boron	MSLAP	PA	04/07/2016
EPA 1027	44	Boron	MSLAP	PA	04/07/2016
EPA 1027	44	Bromine	MSLAP	PA	04/07/2016
EPA 1027	44	Calcium	MSLAP	PA	04/07/2016
EPA 1027	44	Chloride	MSLAP	PA	04/07/2016
EPA 1027	44	Copper	MSLAP	PA	04/07/2016
EPA 1027	44	Fluoride	MSLAP	PA	04/07/2016
EPA 1027	44	Iron	MSLAP	PA	04/07/2016
EPA 1027	44	Lead	MSLAP	PA	04/07/2016
EPA 1027	44	Lithium	MSLAP	PA	04/07/2016
EPA 1027	44	Magnesium	MSLAP	PA	04/07/2016
EPA 1027	44	Manganese	MSLAP	PA	04/07/2016
EPA 1027	44	Nickel	MSLAP	PA	04/07/2016
EPA 1027	44	Phosphate	MSLAP	PA	04/07/2016
EPA 1027	44	Selenium	MSLAP	PA	04/07/2016
EPA 1027	44	Sulfate	MSLAP	PA	04/07/2016
EPA 1027	44	Zinc	MSLAP	PA	04/07/2016
EPA 1027	44	Aluminum	MSLAP	PA	04/07/2016
EPA 1027	44	Arsenic	MSLAP	PA	04/07/2016

*Eurofins TestAmerica*

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accredited Under Body. Customers are urged to verify the laboratory's current accreditation listing.





Attached to Certificate of Accreditation 018-091 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Ecofina TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15230  
(412) 663-7858

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNK02131  
PAOWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Reference	Analyte	Accreditation Type	Primary Scope	Effective Date
170.0010		Asphalt emulsion (see 704)	MSLAP	PA	07/02/2017
170.0011	C	Secondary Bacteriological Examination	MSLAP	PA	08/29/2016
170.0012	C	Colony Count (see 170.0010)	MSLAP	PA	08/29/2016
170.0013		Total Suspended Solids	MSLAP	PA	06/01/2016
170.0014	H	Total Dissolved Solids	MSLAP	PA	08/29/2016
170.0015	H	Total Chloride	MSLAP	PA	08/29/2016
170.0016	A	Calcium Magnesium Sulfate (see 170.0010)	MSLAP	PA	08/29/2016
170.0017		Total Hardness (see 170.0010)	MSLAP	PA	08/29/2016
170.0018	B	Sulfate (see 170.0010)	MSLAP	PA	08/29/2016
170.0019	A	Sulfate (see 170.0010)	MSLAP	PA	12/04/2019
170.0020	.	Chloride (see 170.0010)	MSLAP	PA	06/01/2016
170.0021		Total Chloride	MSLAP	PA	08/29/2016
170.0022	.	Acidity (see 170.0010)	MSLAP	PA	07/01/2016
170.0023	.	Acidity (see 170.0010)	MSLAP	PA	08/29/2016
170.0024	.	Alkalinity (see 170.0010)	MSLAP	PA	08/29/2016
170.0025	II	Alkalinity (see 170.0010)	MSLAP	PA	08/29/2016
170.0026	II	Alkalinity	MSLAP	PA	08/29/2016
170.0027	II	Alkalinity	MSLAP	PA	08/29/2016
170.0028	II	Alkalinity	MSLAP	PA	08/29/2016
170.0029	II	Alkalinity	MSLAP	PA	08/29/2016
170.0030	II	Alkalinity	MSLAP	PA	08/29/2016
170.0031	II	Alkalinity	MSLAP	PA	08/29/2016
170.0032	II	Alkalinity	MSLAP	PA	08/29/2016
170.0033	II	Alkalinity	MSLAP	PA	08/29/2016
170.0034	II	Alkalinity	MSLAP	PA	08/29/2016
170.0035	II	Alkalinity	MSLAP	PA	08/29/2016
170.0036	II	Alkalinity	MSLAP	PA	08/29/2016
170.0037	II	Alkalinity	MSLAP	PA	08/29/2016
170.0038	II	Alkalinity	MSLAP	PA	08/29/2016
170.0039	II	Alkalinity	MSLAP	PA	08/29/2016
170.0040	II	Alkalinity	MSLAP	PA	08/29/2016
170.0041	II	Alkalinity	MSLAP	PA	08/29/2016
170.0042	II	Alkalinity	MSLAP	PA	08/29/2016
170.0043	II	Alkalinity	MSLAP	PA	08/29/2016
170.0044	II	Alkalinity	MSLAP	PA	08/29/2016
170.0045	II	Alkalinity	MSLAP	PA	08/29/2016
170.0046	II	Alkalinity	MSLAP	PA	08/29/2016
170.0047	II	Alkalinity	MSLAP	PA	08/29/2016
170.0048	II	Alkalinity	MSLAP	PA	08/29/2016
170.0049	II	Alkalinity	MSLAP	PA	08/29/2016
170.0050	II	Alkalinity	MSLAP	PA	08/29/2016
170.0051	II	Alkalinity	MSLAP	PA	08/29/2016
170.0052	II	Alkalinity	MSLAP	PA	08/29/2016
170.0053	II	Alkalinity	MSLAP	PA	08/29/2016
170.0054	II	Alkalinity	MSLAP	PA	08/29/2016
170.0055	II	Alkalinity	MSLAP	PA	08/29/2016
170.0056	II	Alkalinity	MSLAP	PA	08/29/2016
170.0057	II	Alkalinity	MSLAP	PA	08/29/2016
170.0058	II	Alkalinity	MSLAP	PA	08/29/2016
170.0059	II	Alkalinity	MSLAP	PA	08/29/2016
170.0060	II	Alkalinity	MSLAP	PA	08/29/2016
170.0061	II	Alkalinity	MSLAP	PA	08/29/2016
170.0062	II	Alkalinity	MSLAP	PA	08/29/2016
170.0063	II	Alkalinity	MSLAP	PA	08/29/2016
170.0064	II	Alkalinity	MSLAP	PA	08/29/2016
170.0065	II	Alkalinity	MSLAP	PA	08/29/2016
170.0066	II	Alkalinity	MSLAP	PA	08/29/2016
170.0067	II	Alkalinity	MSLAP	PA	08/29/2016
170.0068	II	Alkalinity	MSLAP	PA	08/29/2016
170.0069	II	Alkalinity	MSLAP	PA	08/29/2016
170.0070	II	Alkalinity	MSLAP	PA	08/29/2016
170.0071	II	Alkalinity	MSLAP	PA	08/29/2016
170.0072	II	Alkalinity	MSLAP	PA	08/29/2016
170.0073	II	Alkalinity	MSLAP	PA	08/29/2016
170.0074	II	Alkalinity	MSLAP	PA	08/29/2016
170.0075	II	Alkalinity	MSLAP	PA	08/29/2016
170.0076	II	Alkalinity	MSLAP	PA	08/29/2016
170.0077	II	Alkalinity	MSLAP	PA	08/29/2016
170.0078	II	Alkalinity	MSLAP	PA	08/29/2016
170.0079	II	Alkalinity	MSLAP	PA	08/29/2016
170.0080	II	Alkalinity	MSLAP	PA	08/29/2016
170.0081	II	Alkalinity	MSLAP	PA	08/29/2016
170.0082	II	Alkalinity	MSLAP	PA	08/29/2016
170.0083	II	Alkalinity	MSLAP	PA	08/29/2016
170.0084	II	Alkalinity	MSLAP	PA	08/29/2016
170.0085	II	Alkalinity	MSLAP	PA	08/29/2016
170.0086	II	Alkalinity	MSLAP	PA	08/29/2016
170.0087	II	Alkalinity	MSLAP	PA	08/29/2016
170.0088	II	Alkalinity	MSLAP	PA	08/29/2016
170.0089	II	Alkalinity	MSLAP	PA	08/29/2016
170.0090	II	Alkalinity	MSLAP	PA	08/29/2016
170.0091	II	Alkalinity	MSLAP	PA	08/29/2016
170.0092	II	Alkalinity	MSLAP	PA	08/29/2016
170.0093	II	Alkalinity	MSLAP	PA	08/29/2016
170.0094	II	Alkalinity	MSLAP	PA	08/29/2016
170.0095	II	Alkalinity	MSLAP	PA	08/29/2016
170.0096	II	Alkalinity	MSLAP	PA	08/29/2016
170.0097	II	Alkalinity	MSLAP	PA	08/29/2016
170.0098	II	Alkalinity	MSLAP	PA	08/29/2016
170.0099	II	Alkalinity	MSLAP	PA	08/29/2016
170.0100	II	Alkalinity	MSLAP	PA	08/29/2016

018-091-0000-0000





Attached to Certificate of Accreditation D18-001 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) 663-7050

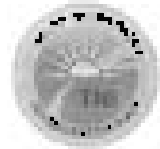
DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00184  
THI Code: TND2151  
PA0015 ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
114.001		Asbestos	MSLAP	PA	04/07/2006
114.002		Asbestos	MSLAP	PA	04/07/2006
114.003		Asbestos	MSLAP	PA	04/07/2006
114.004		Asbestos	MSLAP	PA	04/07/2006
114.005		Asbestos	MSLAP	PA	04/07/2006
114.006		Asbestos	MSLAP	PA	04/07/2006
114.007		Asbestos	MSLAP	PA	04/07/2006
114.008		Asbestos	MSLAP	PA	04/07/2006
114.009		Asbestos	MSLAP	PA	04/07/2006
114.010		Asbestos	MSLAP	PA	04/07/2006
114.011		Asbestos	MSLAP	PA	04/07/2006
114.012		Asbestos	MSLAP	PA	04/07/2006
114.013		Asbestos	MSLAP	PA	04/07/2006
114.014		Asbestos	MSLAP	PA	04/07/2006
114.015		Asbestos	MSLAP	PA	04/07/2006
114.016		Asbestos	MSLAP	PA	04/07/2006
114.017		Asbestos	MSLAP	PA	04/07/2006
114.018		Asbestos	MSLAP	PA	04/07/2006
114.019		Asbestos	MSLAP	PA	04/07/2006
114.020		Asbestos	MSLAP	PA	04/07/2006
114.021		Asbestos	MSLAP	PA	04/07/2006
114.022		Asbestos	MSLAP	PA	04/07/2006
114.023		Asbestos	MSLAP	PA	04/07/2006
114.024		Asbestos	MSLAP	PA	04/07/2006
114.025		Asbestos	MSLAP	PA	04/07/2006
114.026		Asbestos	MSLAP	PA	04/07/2006
114.027		Asbestos	MSLAP	PA	04/07/2006
114.028		Asbestos	MSLAP	PA	04/07/2006
114.029		Asbestos	MSLAP	PA	04/07/2006
114.030		Asbestos	MSLAP	PA	04/07/2006
114.031		Asbestos	MSLAP	PA	04/07/2006
114.032		Asbestos	MSLAP	PA	04/07/2006
114.033		Asbestos	MSLAP	PA	04/07/2006
114.034		Asbestos	MSLAP	PA	04/07/2006
114.035		Asbestos	MSLAP	PA	04/07/2006
114.036		Asbestos	MSLAP	PA	04/07/2006
114.037		Asbestos	MSLAP	PA	04/07/2006
114.038		Asbestos	MSLAP	PA	04/07/2006
114.039		Asbestos	MSLAP	PA	04/07/2006
114.040		Asbestos	MSLAP	PA	04/07/2006
114.041		Asbestos	MSLAP	PA	04/07/2006
114.042		Asbestos	MSLAP	PA	04/07/2006
114.043		Asbestos	MSLAP	PA	04/07/2006
114.044		Asbestos	MSLAP	PA	04/07/2006
114.045		Asbestos	MSLAP	PA	04/07/2006
114.046		Asbestos	MSLAP	PA	04/07/2006
114.047		Asbestos	MSLAP	PA	04/07/2006
114.048		Asbestos	MSLAP	PA	04/07/2006
114.049		Asbestos	MSLAP	PA	04/07/2006
114.050		Asbestos	MSLAP	PA	04/07/2006
114.051		Asbestos	MSLAP	PA	04/07/2006
114.052		Asbestos	MSLAP	PA	04/07/2006
114.053		Asbestos	MSLAP	PA	04/07/2006
114.054		Asbestos	MSLAP	PA	04/07/2006
114.055		Asbestos	MSLAP	PA	04/07/2006
114.056		Asbestos	MSLAP	PA	04/07/2006
114.057		Asbestos	MSLAP	PA	04/07/2006
114.058		Asbestos	MSLAP	PA	04/07/2006
114.059		Asbestos	MSLAP	PA	04/07/2006
114.060		Asbestos	MSLAP	PA	04/07/2006
114.061		Asbestos	MSLAP	PA	04/07/2006
114.062		Asbestos	MSLAP	PA	04/07/2006
114.063		Asbestos	MSLAP	PA	04/07/2006
114.064		Asbestos	MSLAP	PA	04/07/2006
114.065		Asbestos	MSLAP	PA	04/07/2006
114.066		Asbestos	MSLAP	PA	04/07/2006
114.067		Asbestos	MSLAP	PA	04/07/2006
114.068		Asbestos	MSLAP	PA	04/07/2006
114.069		Asbestos	MSLAP	PA	04/07/2006
114.070		Asbestos	MSLAP	PA	04/07/2006
114.071		Asbestos	MSLAP	PA	04/07/2006
114.072		Asbestos	MSLAP	PA	04/07/2006
114.073		Asbestos	MSLAP	PA	04/07/2006
114.074		Asbestos	MSLAP	PA	04/07/2006
114.075		Asbestos	MSLAP	PA	04/07/2006
114.076		Asbestos	MSLAP	PA	04/07/2006
114.077		Asbestos	MSLAP	PA	04/07/2006
114.078		Asbestos	MSLAP	PA	04/07/2006
114.079		Asbestos	MSLAP	PA	04/07/2006
114.080		Asbestos	MSLAP	PA	04/07/2006
114.081		Asbestos	MSLAP	PA	04/07/2006
114.082		Asbestos	MSLAP	PA	04/07/2006
114.083		Asbestos	MSLAP	PA	04/07/2006
114.084		Asbestos	MSLAP	PA	04/07/2006
114.085		Asbestos	MSLAP	PA	04/07/2006
114.086		Asbestos	MSLAP	PA	04/07/2006
114.087		Asbestos	MSLAP	PA	04/07/2006
114.088		Asbestos	MSLAP	PA	04/07/2006
114.089		Asbestos	MSLAP	PA	04/07/2006
114.090		Asbestos	MSLAP	PA	04/07/2006
114.091		Asbestos	MSLAP	PA	04/07/2006
114.092		Asbestos	MSLAP	PA	04/07/2006
114.093		Asbestos	MSLAP	PA	04/07/2006
114.094		Asbestos	MSLAP	PA	04/07/2006
114.095		Asbestos	MSLAP	PA	04/07/2006
114.096		Asbestos	MSLAP	PA	04/07/2006
114.097		Asbestos	MSLAP	PA	04/07/2006
114.098		Asbestos	MSLAP	PA	04/07/2006
114.099		Asbestos	MSLAP	PA	04/07/2006
114.100		Asbestos	MSLAP	PA	04/07/2006

04/30/2022 10:04 AM

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accredited Laboratory. Customers are expected 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.

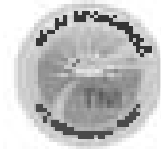
**EuroFins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh PA 15238  
(412) 662-7055

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TN03151  
PADWIS ID: 02416

**Metals, Non-Potable Water**

Method	Regulation	Analyte	Accreditation Type	Primary State	Effective Date
101.01-1		Antimony	MS-CAP	PA	10/15/2019
101.01-2		Barium	MS-CAP	PA	4/15/2019
101.01-3		Bismuth	MS-CAP	PA	4/15/2019
101.01-4		Boron	MS-CAP	PA	10/15/2019
101.01-5		Bromine	MS-CAP	PA	10/15/2019
101.01-6		Chromium (Total)	MS-CAP	PA	10/15/2019
101.01-7		Cobalt	MS-CAP	PA	10/15/2019
101.01-8		Copper	MS-CAP	PA	10/15/2019
101.01-9		Fluoride	MS-CAP	PA	4/15/2019
101.01-10		Iron	MS-CAP	PA	10/15/2019
101.01-11		Lead	MS-CAP	PA	10/15/2019
101.01-12		Manganese	MS-CAP	PA	10/15/2019
101.01-13		Molybdenum	MS-CAP	PA	10/15/2019
101.01-14		Nickel	MS-CAP	PA	10/15/2019
101.01-15		Vanadium	MS-CAP	PA	10/15/2019
101.01-16		Zinc	MS-CAP	PA	10/15/2019
101.01-17		Aluminum	MS-CAP	PA	10/15/2019
101.01-18		Calcium	MS-CAP	PA	10/15/2019
101.01-19		Magnesium	MS-CAP	PA	10/15/2019
101.01-20		Mercury (Total) (includes methylmercury)	MS-CAP	PA	4/15/2019
101.01-21		Orthophosphate	MS-CAP	PA	4/15/2019
101.01-22		Ammonia Nitrogen (includes nitrite nitrogen)	MS-CAP	PA	4/15/2019
101.01-23		Orthophosphate (includes pyrophosphate)	MS-CAP	PA	4/15/2019
101.01-24		Ammonia Nitrogen	MS-CAP	PA	10/15/2019
101.01-25		Nitrate Nitrogen	MS-CAP	PA	10/15/2019
101.01-26		Nitrite Nitrogen	MS-CAP	PA	10/15/2019
101.01-27		Total Dissolved Solids (TDS) (includes nitrate, nitrite, and ammonia nitrogen)	MS-CAP	PA	10/15/2019
101.01-28		Total Suspended Solids (TSS)	MS-CAP	PA	10/15/2019
101.01-29		Total Hardness	MS-CAP	PA	10/15/2019
101.01-30		Total Chloride	MS-CAP	PA	10/15/2019
101.01-31		Total Sulfate	MS-CAP	PA	10/15/2019
101.01-32		Total Solids (includes TDS and TSS)	MS-CAP	PA	10/15/2019
101.01-33		Total Hardness (includes calcium and magnesium)	MS-CAP	PA	10/15/2019
101.01-34		Total Hardness (includes calcium and magnesium)	MS-CAP	PA	10/15/2019
101.01-35		Total Hardness	MS-CAP	PA	10/15/2019
101.01-36		Total Hardness	MS-CAP	PA	10/15/2019
101.01-37		Total Hardness	MS-CAP	PA	10/15/2019
101.01-38		Total Hardness	MS-CAP	PA	10/15/2019
101.01-39		Total Hardness	MS-CAP	PA	10/15/2019
101.01-40		Total Hardness	MS-CAP	PA	10/15/2019
101.01-41		Total Hardness	MS-CAP	PA	10/15/2019
101.01-42		Total Hardness	MS-CAP	PA	10/15/2019
101.01-43		Total Hardness	MS-CAP	PA	10/15/2019
101.01-44		Total Hardness	MS-CAP	PA	10/15/2019
101.01-45		Total Hardness	MS-CAP	PA	10/15/2019
101.01-46		Total Hardness	MS-CAP	PA	10/15/2019
101.01-47		Total Hardness	MS-CAP	PA	10/15/2019
101.01-48		Total Hardness	MS-CAP	PA	10/15/2019
101.01-49		Total Hardness	MS-CAP	PA	10/15/2019
101.01-50		Total Hardness	MS-CAP	PA	10/15/2019

*Signature*



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.

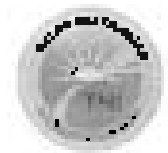
**Eurofins TestAmerica Laboratories- Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 943-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PAIDMS ID: 02416

**Media: Non-Potable Water**

Method	Regulation	Analyte	Accreditation Type	Reference Range	Effective Date
8240.01		2,2-Dichloroethane	MSLAP	PA	04/06/2009
8240.02		2,4-Dimethylstyrene (MSX)	MSLAP	PA	04/01/2007
8240.03		2,4-Dimethylstyrene	MSLAP	PA	04/01/2007
8240.04		2-Methylbutane	MSLAP	PA	04/06/2009
8240.05		2-Methylhexane	MSLAP	PA	04/06/2009
8240.06		2-Methylpentane	MSLAP	PA	04/06/2009
8240.07		2-Methylpropane	MSLAP	PA	04/06/2009
8240.08		2-Methylstyrene	MSLAP	PA	04/01/2007
8240.09		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.10		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.11		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.12		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.13		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.14		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.15		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.16		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.17		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.18		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.19		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.20		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.21		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.22		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.23		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.24		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.25		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.26		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.27		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.28		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.29		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.30		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.31		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.32		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.33		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.34		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.35		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.36		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.37		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.38		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.39		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.40		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.41		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.42		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.43		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.44		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.45		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.46		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.47		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.48		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.49		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.50		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.51		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.52		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.53		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.54		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.55		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.56		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.57		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.58		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.59		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.60		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.61		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.62		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.63		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.64		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.65		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.66		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.67		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.68		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.69		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.70		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.71		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.72		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.73		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.74		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.75		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.76		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.77		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.78		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.79		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.80		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.81		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.82		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.83		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.84		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.85		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.86		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.87		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.88		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.89		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.90		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.91		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.92		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.93		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.94		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.95		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.96		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.97		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.98		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.99		2-Methylthiophene	MSLAP	PA	04/01/2007
8240.100		2-Methylthiophene	MSLAP	PA	04/01/2007

04/01/2021 08:11:13



Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022, this listing of accredited analyses should be used only when associated with a valid certificate of accreditation

Eurofina TestAmerica Laboratories Pittsburgh  
301 Aspin Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: D2-00416  
EPA Lab Code PA00164  
THI Code: TH02151  
PAQWIS ID: 02416

**Major Non-Potable Water**

Method	Regulator	Analyte	Accreditation Type	Primary State	Effective Date
8160.10		Ammonia	MS-C	PA	04/01/08
8160.15		Chlorophyll-a, Chlorophyll-a+b	MS-CAP	PA	01/01/16
8160.16		Chlorophyll-a+b, Chlorophyll-a+b+c	MS-CAP	PA	01/01/16
8160.18		Chlorophyll-a	MS-C	PA	01/01/08
8160.19		Chlorophyll-a, Chlorophyll-a+b	MS-CAP	PA	01/01/16
8160.20		Chlorophyll-a+b	MS-CAP	PA	01/01/16
8160.25		Cyanobacteria	MS-CAP	PA	01/01/16
8160.26		Cyanobacteria, Chlorophyll-a	MS-CAP	PA	01/01/16
8160.27		Cyanobacteria, Chlorophyll-a+b	MS-CAP	PA	01/01/16
8160.28		Microcystin-LR	MS-C	PA	01/01/08
8160.29		Microcystin	MS-C	PA	01/01/16
8160.31		Microcystin-LR	MS-C	PA	01/01/16
8160.32		Microcystin-LR	MS-C	PA	01/01/16
8160.33		Microcystin-LR, Microcystin-LY	MS-C	PA	01/01/16
8160.34		Microcystin-LR, Microcystin-LY	MS-C	PA	01/01/16
8160.35		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.36		Microcystin-LR, Microcystin-LY	MS-C	PA	01/01/16
8160.37		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.38		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.39		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.40		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.41		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.42		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.43		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.44		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.45		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.46		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.47		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.48		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.49		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.50		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.51		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.52		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.53		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.54		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.55		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.56		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.57		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.58		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.59		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.60		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.61		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.62		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.63		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.64		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.65		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.66		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.67		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.68		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.69		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.70		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.71		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.72		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.73		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.74		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.75		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.76		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.77		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.78		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.79		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.80		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.81		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.82		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.83		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.84		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.85		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.86		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.87		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.88		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.89		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.90		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.91		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.92		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.93		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.94		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.95		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.96		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.97		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.98		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.99		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16
8160.100		Microcystin-LR, Microcystin-LY, Microcystin-LR+YL	MS-C	PA	01/01/16



The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation status to









Attached to Certificate of Accreditation 018-001 expiration date 04/30/2023, 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: TN02151  
PADWIS ID: 02#16

Matrix: Non-Potable Water

Method	Region	Analyte	Accreditation Type	Primary State	Effective Date
1 PA 603		2,4-Dichlorophenol	MSLAP	PA	04/15/20
1 PA 603		2,4-Dichlorophenoxy	MSLAP	PA	04/15/20
1 PA 603		2,4-Dinitrophenol	MSLAP	PA	04/15/20
2 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
3 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
4 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
5 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
6 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
7 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
8 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
9 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
10 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
11 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
12 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
13 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
14 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
15 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
16 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
17 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
18 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
19 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
20 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
21 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
22 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
23 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
24 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
25 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
26 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
27 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
28 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
29 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
30 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
31 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
32 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
33 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
34 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
35 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
36 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
37 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
38 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
39 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
40 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
41 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
42 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
43 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
44 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
45 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
46 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
47 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
48 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
49 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
50 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
51 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
52 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
53 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
54 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
55 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
56 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
57 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
58 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
59 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
60 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
61 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
62 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
63 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
64 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
65 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
66 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
67 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
68 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
69 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
70 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
71 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
72 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
73 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
74 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
75 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
76 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
77 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
78 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
79 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
80 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
81 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
82 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
83 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
84 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
85 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
86 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
87 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
88 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
89 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
90 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
91 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
92 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
93 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
94 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
95 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
96 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
97 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
98 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
99 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20
100 PA 603		2,4-Dinitrophenol (1,4-DN)	MSLAP	PA	04/15/20

*Continued on Next Page*

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accredited Lab 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.

**Europa TestAmerica Laboratories Pittsburgh**  
304 Alpha Drive  
Pittsburgh, PA 15208  
(412) 683-7658

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TMI Code: TNID2131  
PAIDHS ID: 03416

**Matrix: Non-Potable Water**

Method	Region	Analyte	Accreditation Type	Primary State	Effective Date
1000.01		Ammonia	MSL	PA	01/16/2018
1000.02		Ammonia	MSL	PA	01/16/2018
1000.03		Ammonia	MSL	PA	01/16/2018
1000.04		Ammonia	MSL	PA	01/16/2018
1000.05		Ammonia	MSL	PA	01/16/2018
1000.06		Ammonia	MSL	PA	01/16/2018
1000.07		Ammonia	MSL	PA	01/16/2018
1000.08		Ammonia	MSL	PA	01/16/2018
1000.09		Ammonia	MSL	PA	01/16/2018
1000.10		Ammonia	MSL	PA	01/16/2018
1000.11		Ammonia	MSL	PA	01/16/2018
1000.12		Ammonia	MSL	PA	01/16/2018
1000.13		Ammonia	MSL	PA	01/16/2018
1000.14		Ammonia	MSL	PA	01/16/2018
1000.15		Ammonia	MSL	PA	01/16/2018
1000.16		Ammonia	MSL	PA	01/16/2018
1000.17		Ammonia	MSL	PA	01/16/2018
1000.18		Ammonia	MSL	PA	01/16/2018
1000.19		Ammonia	MSL	PA	01/16/2018
1000.20		Ammonia	MSL	PA	01/16/2018
1000.21		Ammonia	MSL	PA	01/16/2018
1000.22		Ammonia	MSL	PA	01/16/2018
1000.23		Ammonia	MSL	PA	01/16/2018
1000.24		Ammonia	MSL	PA	01/16/2018
1000.25		Ammonia	MSL	PA	01/16/2018
1000.26		Ammonia	MSL	PA	01/16/2018
1000.27		Ammonia	MSL	PA	01/16/2018
1000.28		Ammonia	MSL	PA	01/16/2018
1000.29		Ammonia	MSL	PA	01/16/2018
1000.30		Ammonia	MSL	PA	01/16/2018
1000.31		Ammonia	MSL	PA	01/16/2018
1000.32		Ammonia	MSL	PA	01/16/2018
1000.33		Ammonia	MSL	PA	01/16/2018
1000.34		Ammonia	MSL	PA	01/16/2018
1000.35		Ammonia	MSL	PA	01/16/2018
1000.36		Ammonia	MSL	PA	01/16/2018
1000.37		Ammonia	MSL	PA	01/16/2018
1000.38		Ammonia	MSL	PA	01/16/2018
1000.39		Ammonia	MSL	PA	01/16/2018
1000.40		Ammonia	MSL	PA	01/16/2018
1000.41		Ammonia	MSL	PA	01/16/2018
1000.42		Ammonia	MSL	PA	01/16/2018
1000.43		Ammonia	MSL	PA	01/16/2018
1000.44		Ammonia	MSL	PA	01/16/2018
1000.45		Ammonia	MSL	PA	01/16/2018
1000.46		Ammonia	MSL	PA	01/16/2018
1000.47		Ammonia	MSL	PA	01/16/2018
1000.48		Ammonia	MSL	PA	01/16/2018
1000.49		Ammonia	MSL	PA	01/16/2018
1000.50		Ammonia	MSL	PA	01/16/2018
1000.51		Ammonia	MSL	PA	01/16/2018
1000.52		Ammonia	MSL	PA	01/16/2018
1000.53		Ammonia	MSL	PA	01/16/2018
1000.54		Ammonia	MSL	PA	01/16/2018
1000.55		Ammonia	MSL	PA	01/16/2018
1000.56		Ammonia	MSL	PA	01/16/2018
1000.57		Ammonia	MSL	PA	01/16/2018
1000.58		Ammonia	MSL	PA	01/16/2018
1000.59		Ammonia	MSL	PA	01/16/2018
1000.60		Ammonia	MSL	PA	01/16/2018
1000.61		Ammonia	MSL	PA	01/16/2018
1000.62		Ammonia	MSL	PA	01/16/2018
1000.63		Ammonia	MSL	PA	01/16/2018
1000.64		Ammonia	MSL	PA	01/16/2018
1000.65		Ammonia	MSL	PA	01/16/2018
1000.66		Ammonia	MSL	PA	01/16/2018
1000.67		Ammonia	MSL	PA	01/16/2018
1000.68		Ammonia	MSL	PA	01/16/2018
1000.69		Ammonia	MSL	PA	01/16/2018
1000.70		Ammonia	MSL	PA	01/16/2018
1000.71		Ammonia	MSL	PA	01/16/2018
1000.72		Ammonia	MSL	PA	01/16/2018
1000.73		Ammonia	MSL	PA	01/16/2018
1000.74		Ammonia	MSL	PA	01/16/2018
1000.75		Ammonia	MSL	PA	01/16/2018
1000.76		Ammonia	MSL	PA	01/16/2018
1000.77		Ammonia	MSL	PA	01/16/2018
1000.78		Ammonia	MSL	PA	01/16/2018
1000.79		Ammonia	MSL	PA	01/16/2018
1000.80		Ammonia	MSL	PA	01/16/2018
1000.81		Ammonia	MSL	PA	01/16/2018
1000.82		Ammonia	MSL	PA	01/16/2018
1000.83		Ammonia	MSL	PA	01/16/2018
1000.84		Ammonia	MSL	PA	01/16/2018
1000.85		Ammonia	MSL	PA	01/16/2018
1000.86		Ammonia	MSL	PA	01/16/2018
1000.87		Ammonia	MSL	PA	01/16/2018
1000.88		Ammonia	MSL	PA	01/16/2018
1000.89		Ammonia	MSL	PA	01/16/2018
1000.90		Ammonia	MSL	PA	01/16/2018
1000.91		Ammonia	MSL	PA	01/16/2018
1000.92		Ammonia	MSL	PA	01/16/2018
1000.93		Ammonia	MSL	PA	01/16/2018
1000.94		Ammonia	MSL	PA	01/16/2018
1000.95		Ammonia	MSL	PA	01/16/2018
1000.96		Ammonia	MSL	PA	01/16/2018
1000.97		Ammonia	MSL	PA	01/16/2018
1000.98		Ammonia	MSL	PA	01/16/2018
1000.99		Ammonia	MSL	PA	01/16/2018
1000.100		Ammonia	MSL	PA	01/16/2018

*Christine 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.

Eurolife TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15230  
(412) 663-7658

DEP Laboratory ID: 02-05416  
EPA Lab Code: PA00164  
TNI Code: TNI02131  
PAOWA ID: 02416

**Matrix: Non-Potable Water**

Method	Category	Analyte	Accreditation Type	Primary State	Effective Date
EPA 823-D		Asbestos	MSLAP	PA	04/15/2011
EPA 823-F		Trihalo	MSLAP	PA	04/15/2011
EPA 823-G		Lead (Chemically Modified)	MSLAP	PA	04/15/2011
EPA 823-H		Free Lead (Chemically Modified)	MSLAP	PA	04/15/2011
EPA 823-I		Calcium (Chemically Modified)	MSLAP	PA	04/15/2011
EPA 823-J		Cadmium	MSLAP	PA	04/15/2011
EPA 823-K		1,4-Dioxane	MSLAP	PA	04/15/2011
EPA 823-L		1,4-Dioxane	MSLAP	PA	04/15/2011
EPA 823-M		1,4-Dioxane	MSLAP	PA	04/15/2011
EPA 823-N	A	Chromium VI	MSLAP	PA	08/25/2009
EPA 823-O	A	Mercury	MSLAP	PA	08/25/2009
EPA 823-P		1,2-Dibromoethane (as Lead, Pb, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	MSLAP	PA	04/15/2011
EPA 823-Q		1,2-Dibromoethane (as Lead, Pb, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	MSLAP	PA	04/15/2011
EPA 823-R	A	Asbestos (Lead, Pb, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	MSLAP	PA	04/15/2011
EPA 823-S	B	Asbestos (Lead, Pb, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	MSLAP	PA	04/15/2011
EPA 823-T	A, B	2,4-DDB	MSLAP	PA	04/15/2011
EPA 823-U	A, C	2,4-DDB	MSLAP	PA	04/15/2011
EPA 823-V	A, D	2,4-DDB	MSLAP	PA	04/15/2011
EPA 823-W	A, E	2,4-DDB	MSLAP	PA	04/15/2011
EPA 823-X	A, F	2,4-DDB	MSLAP	PA	04/15/2011
EPA 823-Y	A, G	2,4-DDB	MSLAP	PA	04/15/2011
EPA 823-Z	A, H	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-A	A, I	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-B	A, J	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-C	A, K	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-D	A, L	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-E	A, M	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-F	A, N	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-G	A, O	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-H	A, P	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-I	A, Q	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-J	A, R	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-K	A, S	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-L	A, T	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-M	A, U	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-N	A, V	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-O	A, W	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-P	A, X	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-Q	A, Y	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-R	A, Z	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-S	A, 1	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-T	A, 2	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-U	A, 3	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-V	A, 4	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-W	A, 5	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-X	A, 6	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-Y	A, 7	2,4-DDB	MSLAP	PA	04/15/2011
EPA 824-Z	A, 8	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-A	A, 9	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-B	A, 10	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-C	A, 11	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-D	A, 12	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-E	A, 13	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-F	A, 14	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-G	A, 15	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-H	A, 16	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-I	A, 17	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-J	A, 18	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-K	A, 19	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-L	A, 20	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-M	A, 21	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-N	A, 22	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-O	A, 23	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-P	A, 24	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-Q	A, 25	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-R	A, 26	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-S	A, 27	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-T	A, 28	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-U	A, 29	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-V	A, 30	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-W	A, 31	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-X	A, 32	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-Y	A, 33	2,4-DDB	MSLAP	PA	04/15/2011
EPA 825-Z	A, 34	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-A	A, 35	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-B	A, 36	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-C	A, 37	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-D	A, 38	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-E	A, 39	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-F	A, 40	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-G	A, 41	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-H	A, 42	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-I	A, 43	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-J	A, 44	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-K	A, 45	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-L	A, 46	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-M	A, 47	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-N	A, 48	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-O	A, 49	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-P	A, 50	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-Q	A, 51	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-R	A, 52	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-S	A, 53	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-T	A, 54	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-U	A, 55	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-V	A, 56	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-W	A, 57	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-X	A, 58	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-Y	A, 59	2,4-DDB	MSLAP	PA	04/15/2011
EPA 826-Z	A, 60	2,4-DDB	MSLAP	PA	04/15/2011

*Thomas J. G. G. G.*



Attached to Certificate of Accreditation 010-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Ecoterra TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15208  
(412) 962-7058

DEP Laboratory ID: D2-00416  
EPA Lab Code: PA00164  
TNI Code: TNH02151  
PADNIS ID: D2416

Matrix: Non-Potable Water

Method	Reason	Analyte	Accreditation Type	Primary Scope	Effective Date
100.001	A-F	Asbestos (total)	MS-01	14	01/01/2019
100.002	A-F	Asbestos (total) (in filtered water)	MS-01	14	01/01/2019
100.003	A-F	Asbestos (total)	MS-01	14	01/01/2019
100.004	A-F	Asbestos (total) (in filtered water)	MS-01	14	01/01/2019
100.005	A-F	Asbestos (total) (in filtered water) (in filtered water)	MS-01	14	01/01/2019
100.006	A-F	Asbestos (total)	MS-01	14	01/01/2019
100.007	A-F	Asbestos (total)	MS-01	14	01/01/2019
100.008	A	Asbestos (total)	MS-01	14	01/01/2019
100.009	A	Asbestos (total)	MS-01	14	01/01/2019
100.010	A	Asbestos (total)	MS-01	14	01/01/2019
100.011	A	Asbestos (total)	MS-01	14	01/01/2019
100.012	A	Asbestos (total)	MS-01	14	01/01/2019
100.013	A	Asbestos (total)	MS-01	14	01/01/2019
100.014	A	Asbestos (total)	MS-01	14	01/01/2019
100.015	A	Asbestos (total)	MS-01	14	01/01/2019
100.016	A	Asbestos (total)	MS-01	14	01/01/2019
100.017	A	Asbestos (total)	MS-01	14	01/01/2019
100.018	A	Asbestos (total)	MS-01	14	01/01/2019
100.019	A	Asbestos (total)	MS-01	14	01/01/2019
100.020	A	Asbestos (total)	MS-01	14	01/01/2019
100.021	A	Asbestos (total)	MS-01	14	01/01/2019
100.022	A	Asbestos (total)	MS-01	14	01/01/2019
100.023	A	Asbestos (total)	MS-01	14	01/01/2019
100.024	A	Asbestos (total)	MS-01	14	01/01/2019
100.025	A	Asbestos (total)	MS-01	14	01/01/2019
100.026	A	Asbestos (total)	MS-01	14	01/01/2019
100.027	A	Asbestos (total)	MS-01	14	01/01/2019
100.028	A	Asbestos (total)	MS-01	14	01/01/2019
100.029	A	Asbestos (total)	MS-01	14	01/01/2019
100.030	A	Asbestos (total)	MS-01	14	01/01/2019
100.031	A	Asbestos (total)	MS-01	14	01/01/2019
100.032	A	Asbestos (total)	MS-01	14	01/01/2019
100.033	A	Asbestos (total)	MS-01	14	01/01/2019
100.034	A	Asbestos (total)	MS-01	14	01/01/2019
100.035	A	Asbestos (total)	MS-01	14	01/01/2019
100.036	A	Asbestos (total)	MS-01	14	01/01/2019
100.037	A	Asbestos (total)	MS-01	14	01/01/2019
100.038	A	Asbestos (total)	MS-01	14	01/01/2019
100.039	A	Asbestos (total)	MS-01	14	01/01/2019
100.040	A	Asbestos (total)	MS-01	14	01/01/2019
100.041	A	Asbestos (total)	MS-01	14	01/01/2019
100.042	A	Asbestos (total)	MS-01	14	01/01/2019
100.043	A	Asbestos (total)	MS-01	14	01/01/2019
100.044	A	Asbestos (total)	MS-01	14	01/01/2019
100.045	A	Asbestos (total)	MS-01	14	01/01/2019
100.046	A	Asbestos (total)	MS-01	14	01/01/2019
100.047	A	Asbestos (total)	MS-01	14	01/01/2019
100.048	A	Asbestos (total)	MS-01	14	01/01/2019
100.049	A	Asbestos (total)	MS-01	14	01/01/2019
100.050	A	Asbestos (total)	MS-01	14	01/01/2019
100.051	A	Asbestos (total)	MS-01	14	01/01/2019
100.052	A	Asbestos (total)	MS-01	14	01/01/2019
100.053	A	Asbestos (total)	MS-01	14	01/01/2019
100.054	A	Asbestos (total)	MS-01	14	01/01/2019
100.055	A	Asbestos (total)	MS-01	14	01/01/2019
100.056	A	Asbestos (total)	MS-01	14	01/01/2019
100.057	A	Asbestos (total)	MS-01	14	01/01/2019
100.058	A	Asbestos (total)	MS-01	14	01/01/2019
100.059	A	Asbestos (total)	MS-01	14	01/01/2019
100.060	A	Asbestos (total)	MS-01	14	01/01/2019
100.061	A	Asbestos (total)	MS-01	14	01/01/2019
100.062	A	Asbestos (total)	MS-01	14	01/01/2019
100.063	A	Asbestos (total)	MS-01	14	01/01/2019
100.064	A	Asbestos (total)	MS-01	14	01/01/2019
100.065	A	Asbestos (total)	MS-01	14	01/01/2019
100.066	A	Asbestos (total)	MS-01	14	01/01/2019
100.067	A	Asbestos (total)	MS-01	14	01/01/2019
100.068	A	Asbestos (total)	MS-01	14	01/01/2019
100.069	A	Asbestos (total)	MS-01	14	01/01/2019
100.070	A	Asbestos (total)	MS-01	14	01/01/2019
100.071	A	Asbestos (total)	MS-01	14	01/01/2019
100.072	A	Asbestos (total)	MS-01	14	01/01/2019
100.073	A	Asbestos (total)	MS-01	14	01/01/2019
100.074	A	Asbestos (total)	MS-01	14	01/01/2019
100.075	A	Asbestos (total)	MS-01	14	01/01/2019
100.076	A	Asbestos (total)	MS-01	14	01/01/2019
100.077	A	Asbestos (total)	MS-01	14	01/01/2019
100.078	A	Asbestos (total)	MS-01	14	01/01/2019
100.079	A	Asbestos (total)	MS-01	14	01/01/2019
100.080	A	Asbestos (total)	MS-01	14	01/01/2019
100.081	A	Asbestos (total)	MS-01	14	01/01/2019
100.082	A	Asbestos (total)	MS-01	14	01/01/2019
100.083	A	Asbestos (total)	MS-01	14	01/01/2019
100.084	A	Asbestos (total)	MS-01	14	01/01/2019
100.085	A	Asbestos (total)	MS-01	14	01/01/2019
100.086	A	Asbestos (total)	MS-01	14	01/01/2019
100.087	A	Asbestos (total)	MS-01	14	01/01/2019
100.088	A	Asbestos (total)	MS-01	14	01/01/2019
100.089	A	Asbestos (total)	MS-01	14	01/01/2019
100.090	A	Asbestos (total)	MS-01	14	01/01/2019
100.091	A	Asbestos (total)	MS-01	14	01/01/2019
100.092	A	Asbestos (total)	MS-01	14	01/01/2019
100.093	A	Asbestos (total)	MS-01	14	01/01/2019
100.094	A	Asbestos (total)	MS-01	14	01/01/2019
100.095	A	Asbestos (total)	MS-01	14	01/01/2019
100.096	A	Asbestos (total)	MS-01	14	01/01/2019
100.097	A	Asbestos (total)	MS-01	14	01/01/2019
100.098	A	Asbestos (total)	MS-01	14	01/01/2019
100.099	A	Asbestos (total)	MS-01	14	01/01/2019
100.100	A	Asbestos (total)	MS-01	14	01/01/2019

*Signature*





Attached to Certificate of Accreditation 014-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Quangine TestAmerica Laboratories Pittsburgh  
104 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: D2-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADMS ID: D2416

Matrix: Non-Potable Water

Method	Matrix	Analyte	Accreditation Type	Primary State	Effective Date
100.011	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.012	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.013	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.014	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.015	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.016	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.017	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.018	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.019	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.020	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.021	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.022	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.023	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.024	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.025	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.026	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.027	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.028	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.029	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.030	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.031	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.032	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.033	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.034	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.035	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.036	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.037	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.038	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.039	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.040	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.041	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.042	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.043	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.044	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.045	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.046	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.047	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.048	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.049	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.050	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.051	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.052	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.053	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.054	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.055	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.056	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.057	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.058	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.059	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.060	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.061	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.062	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.063	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.064	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.065	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.066	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.067	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.068	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.069	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.070	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.071	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.072	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.073	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.074	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.075	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.076	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.077	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.078	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.079	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.080	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.081	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.082	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.083	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.084	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.085	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.086	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.087	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.088	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.089	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.090	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.091	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.092	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.093	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.094	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.095	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.096	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.097	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.098	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.099	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18
100.100	A	2,4-Dichlorophenoxyacetic acid	MS/MS	PA	06/27/18

*Quangine TestAmerica*





Attached to Certificate of Accreditation 018-001 expiration date 04/30/2023. 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 15218  
(412) 963-7058

**DEP Laboratory ID: 02-00410**  
**EPA Lab Code: PA00164**  
**TM Code: TM02161**  
**PADWIS ID: 02438**

**Matrix: Non-Potable Water**

Method	Range/ID	Analyte	Accreditation Type	Primary State	Effective Date
4-PB-001	P, L, C	4-Chlorobenzene	MS-LAP	PA	08/05/2009
5-PB-001	B, C, C	5-Chlorobenzonitrile	MS-LAP	PA	08/05/2009
6-PB-001	P, C, C	6-Chlorobenzene	MS-LAP	PA	08/05/2009
11-PB-001	E, L, C	1,1-Dichloroethene	MS-LAP	PA	08/05/2009
11-PB-002	P, L, C	1,1-Dichloroethane	MS-LAP	PA	08/05/2009
11-PB-003	P, L, C	1,1-Dichloroethene, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-004	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-005	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-006	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-007	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-008	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-009	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-010	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-011	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-012	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-013	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-014	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-015	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-016	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-017	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-018	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-019	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-020	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-021	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-022	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-023	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-024	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-025	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-026	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-027	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-028	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-029	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-030	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-031	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-032	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-033	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-034	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-035	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-036	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-037	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-038	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-039	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-040	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-041	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-042	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-043	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-044	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-045	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-046	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-047	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-048	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-049	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-050	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-051	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-052	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-053	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-054	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-055	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-056	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-057	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-058	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-059	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-060	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-061	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-062	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-063	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-064	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-065	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-066	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-067	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-068	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-069	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-070	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-071	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-072	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-073	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-074	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-075	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-076	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-077	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-078	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-079	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-080	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-081	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-082	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-083	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-084	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-085	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-086	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-087	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-088	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-089	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-090	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-091	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-092	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-093	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-094	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-095	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-096	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-097	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-098	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-099	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009
11-PB-100	P, L, C	1,1-Dichloroethane, Chlorinated	MS-LAP	PA	08/05/2009

*Signature*



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 15208  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TME Code: TR192159  
PADWS ID: 02478

**Matrix: Non-Potable Water**

Method	Range/yr	Analyte	Accreditation Type	Primary State	Effective Date
19A.0070	C, D, E	1.2 Acetylacetone	MSLAP	PA	08/26/2016
19A.0070	D, D, E	1.3 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.2 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.3 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	D, D, E	2.4 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.5 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.6 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	D, D, E	2.7 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.8 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.9 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.10 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.11 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.12 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.13 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.14 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.15 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.16 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.17 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.18 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.19 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.20 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.21 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.22 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.23 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.24 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.25 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.26 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.27 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.28 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.29 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016
19A.0070	C, D, E	2.30 Acetylacetone - (N,N-Dimethyl Acetamide)	MSLAP	PA	08/26/2016

*Doreen M. ...*

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP (epoch 200 Accredited Level) Only. Customers are urged to verify the laboratory's current accreditation standing.

Attached to Certificate of Accreditation D15-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurolims TestAmerica Laboratories Pittsburgh  
351 Alpha Drive  
Pittsburgh PA 15238  
(412) 663-7938

DEP Laboratory ID: B9-00416  
EPA Lab Code: PA00164  
TNI Code: TNH2131  
PADIWS ID: 02416

Water: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
PA0101	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0102	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0103	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0104	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0105	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0106	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0107	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0108	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0109	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0110	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0111	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0112	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0113	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0114	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0115	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0116	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0117	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0118	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0119	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0120	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0121	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0122	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0123	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0124	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0125	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0126	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0127	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0128	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0129	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0130	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0131	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0132	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0133	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0134	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0135	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0136	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0137	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0138	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0139	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0140	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0141	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0142	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0143	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0144	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0145	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0146	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0147	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0148	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0149	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0150	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0151	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0152	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0153	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0154	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0155	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0156	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0157	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0158	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0159	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16
PA0160	1.0	Asbestos - Asbestos	MS-CM	PA	08/15/16



The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accredited Self-Governing Body. Customers are urged to verify the laboratory's current accreditation status.







Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Ecumene TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 943-7030

**DPP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TRI Code: TN02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Regulation	Analyte	Accreditation Type	Primary State	Effective Date
SM 4500-CL		Chloride	NECAP	PA	12/14/2011
SM 4500-CL-1		Total Chloride (chloride)	NECAP	PA	04/06/2004
SM 4500-CL-2		Cl <sup>-</sup>	NECAP	PA	04/14/2011
SM 45-000-01		Free Chlorine (ppm as Cl <sub>2</sub> )	NECAP	PA	01/01/2011
SM 4500-CL-3		Total Chloride (ppm)	NECAP	PA	04/14/2011
SM 4500-02		Fluoride	NECAP	PA	1/20/2011
SM 5211-1		Ammonia nitrogen (ppm as N)	NECAP	PA	06/24/2011
SM 5211-2		Ammonium Nitrate (ppm as N)	NECAP	PA	06/24/2011
SM 5211-3		Dissolved organic carbon (DOC)	NECAP	PA	07/15/2011
SM 5211-4		Total organic carbon (TOC)	NECAP	PA	01/14/2011
SM 5211-5		Total dissolved TOC	NECAP	PA	12/14/2011

**Matrix: Solid and Chemical Materials**

Method	Regulation	Analyte	Accreditation Type	Primary State	Effective Date
ASTM D2041-03		Mass fraction of solid acids with water	NECAP	PA	12/15/2011
ASTM D2041-04		Acid insoluble ash (ppm)	NECAP	PA	08/01/2011
ASTM D2041-05		Oil content	NECAP	PA	02/11/2011
ASTM D2041-06	A	Oil content	NECAP	PA	04/01/2011
ASTM D2041-07	B	Oil content	NECAP	PA	04/01/2011
ASTM D2041-08		Crystallinity (percent) (using X-ray diffraction) (T <sub>90</sub> )	NECAP	PA	04/01/2011
ASTM D2041-09		Crystallinity (percent) (using X-ray diffraction) (T <sub>90</sub> )	NECAP	PA	04/01/2011
ASTM D2041-10	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-11	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-12	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-13	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-14	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-15	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-16	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-17	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-18	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-19	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-20	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-21	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-22	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-23	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-24	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-25	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-26	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-27	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-28	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-29	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-30	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-31	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-32	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-33	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-34	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-35	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-36	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-37	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-38	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-39	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-40	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-41	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-42	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-43	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-44	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-45	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-46	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-47	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-48	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-49	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-50	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-51	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-52	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-53	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-54	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-55	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-56	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-57	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-58	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-59	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-60	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-61	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-62	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-63	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-64	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-65	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-66	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-67	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-68	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-69	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-70	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-71	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-72	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-73	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-74	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-75	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-76	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-77	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-78	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-79	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-80	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-81	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-82	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-83	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-84	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-85	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-86	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-87	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-88	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-89	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-90	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-91	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-92	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-93	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-94	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-95	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-96	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-97	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-98	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-99	21	Sulfide	NECAP	PA	04/01/2011
ASTM D2041-100	21	Sulfide	NECAP	PA	04/01/2011

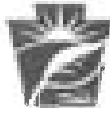
*Signature of Lead*

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NLLAP recognized Accredited Laboratory. Customers are urged to verify the laboratory's current accreditation standing.









Attached to Certificate of Accreditation 016-009 expiration date 04/30/2023. The listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh  
361 Alpha Drive  
Pittsburgh PA 15213  
(412) 963-7958

DEP Laboratory ID: 02-00415  
EPA Lab Code: PA00164  
TRI Code: TN02151  
PAOPMS ID: 02416

Matrix: Solid and Chemical Materials

Method	Region	Analyte	Accreditation Type	Primary State	Effective Date
1631.01	A	Mercury	NL-101	PA	04/17/2019
1631.02	A	Mercury	NL-101	PA	04/17/2019
1631.03	A	Chlorine (total) (includes by the total)	NL-101	PA	04/17/2019
1631.04	A	Dissolved chlorine (includes by the total)	NL-101	PA	04/17/2019
1631.05	A/A	Asbestos	NL-102	PA	04/17/2019
1631.06	A/A	Asbestos	NL-101	PA	04/17/2019
1631.07	A/A	Asbestos	NL-101	PA	04/17/2019
1631.08	A/A	Asbestos	NL-101	PA	04/17/2019
1631.09	A/A	Asbestos	NL-101	PA	04/17/2019
1631.10	A/A	Asbestos	NL-101	PA	04/17/2019
1631.11	A/A	Asbestos	NL-101	PA	04/17/2019
1631.12	A/A	Asbestos	NL-101	PA	04/17/2019
1631.13	A/A	Asbestos	NL-101	PA	04/17/2019
1631.14	A/A	Asbestos	NL-101	PA	04/17/2019
1631.15	A/A	Asbestos	NL-101	PA	04/17/2019
1631.16	A/A	Asbestos	NL-101	PA	04/17/2019
1631.17	A/A	Asbestos	NL-101	PA	04/17/2019
1631.18	A/A	Asbestos	NL-101	PA	04/17/2019
1631.19	A/A	Asbestos	NL-101	PA	04/17/2019
1631.20	A/A	Asbestos	NL-101	PA	04/17/2019
1631.21	A/A	Asbestos	NL-101	PA	04/17/2019
1631.22	A/A	Asbestos	NL-101	PA	04/17/2019
1631.23	A/A	Asbestos	NL-101	PA	04/17/2019
1631.24	A/A	Asbestos	NL-101	PA	04/17/2019
1631.25	A/A	Asbestos	NL-101	PA	04/17/2019
1631.26	A/A	Asbestos	NL-101	PA	04/17/2019
1631.27	A/A	Asbestos	NL-101	PA	04/17/2019
1631.28	A/A	Asbestos	NL-101	PA	04/17/2019
1631.29	A/A	Asbestos	NL-101	PA	04/17/2019
1631.30	A/A	Asbestos	NL-101	PA	04/17/2019
1631.31	A/A	Asbestos	NL-101	PA	04/17/2019
1631.32	A/A	Asbestos	NL-101	PA	04/17/2019
1631.33	A/A	Asbestos	NL-101	PA	04/17/2019
1631.34	A/A	Asbestos	NL-101	PA	04/17/2019
1631.35	A/A	Asbestos	NL-101	PA	04/17/2019
1631.36	A/A	Asbestos	NL-101	PA	04/17/2019
1631.37	A/A	Asbestos	NL-101	PA	04/17/2019
1631.38	A/A	Asbestos	NL-101	PA	04/17/2019
1631.39	A/A	Asbestos	NL-101	PA	04/17/2019
1631.40	A/A	Asbestos	NL-101	PA	04/17/2019
1631.41	A/A	Asbestos	NL-101	PA	04/17/2019
1631.42	A/A	Asbestos	NL-101	PA	04/17/2019
1631.43	A/A	Asbestos	NL-101	PA	04/17/2019
1631.44	A/A	Asbestos	NL-101	PA	04/17/2019
1631.45	A/A	Asbestos	NL-101	PA	04/17/2019
1631.46	A/A	Asbestos	NL-101	PA	04/17/2019
1631.47	A/A	Asbestos	NL-101	PA	04/17/2019
1631.48	A/A	Asbestos	NL-101	PA	04/17/2019
1631.49	A/A	Asbestos	NL-101	PA	04/17/2019
1631.50	A/A	Asbestos	NL-101	PA	04/17/2019
1631.51	A/A	Asbestos	NL-101	PA	04/17/2019
1631.52	A/A	Asbestos	NL-101	PA	04/17/2019
1631.53	A/A	Asbestos	NL-101	PA	04/17/2019
1631.54	A/A	Asbestos	NL-101	PA	04/17/2019
1631.55	A/A	Asbestos	NL-101	PA	04/17/2019
1631.56	A/A	Asbestos	NL-101	PA	04/17/2019
1631.57	A/A	Asbestos	NL-101	PA	04/17/2019
1631.58	A/A	Asbestos	NL-101	PA	04/17/2019
1631.59	A/A	Asbestos	NL-101	PA	04/17/2019
1631.60	A/A	Asbestos	NL-101	PA	04/17/2019
1631.61	A/A	Asbestos	NL-101	PA	04/17/2019
1631.62	A/A	Asbestos	NL-101	PA	04/17/2019
1631.63	A/A	Asbestos	NL-101	PA	04/17/2019
1631.64	A/A	Asbestos	NL-101	PA	04/17/2019
1631.65	A/A	Asbestos	NL-101	PA	04/17/2019
1631.66	A/A	Asbestos	NL-101	PA	04/17/2019
1631.67	A/A	Asbestos	NL-101	PA	04/17/2019
1631.68	A/A	Asbestos	NL-101	PA	04/17/2019
1631.69	A/A	Asbestos	NL-101	PA	04/17/2019
1631.70	A/A	Asbestos	NL-101	PA	04/17/2019
1631.71	A/A	Asbestos	NL-101	PA	04/17/2019
1631.72	A/A	Asbestos	NL-101	PA	04/17/2019
1631.73	A/A	Asbestos	NL-101	PA	04/17/2019
1631.74	A/A	Asbestos	NL-101	PA	04/17/2019
1631.75	A/A	Asbestos	NL-101	PA	04/17/2019
1631.76	A/A	Asbestos	NL-101	PA	04/17/2019
1631.77	A/A	Asbestos	NL-101	PA	04/17/2019
1631.78	A/A	Asbestos	NL-101	PA	04/17/2019
1631.79	A/A	Asbestos	NL-101	PA	04/17/2019
1631.80	A/A	Asbestos	NL-101	PA	04/17/2019
1631.81	A/A	Asbestos	NL-101	PA	04/17/2019
1631.82	A/A	Asbestos	NL-101	PA	04/17/2019
1631.83	A/A	Asbestos	NL-101	PA	04/17/2019
1631.84	A/A	Asbestos	NL-101	PA	04/17/2019
1631.85	A/A	Asbestos	NL-101	PA	04/17/2019
1631.86	A/A	Asbestos	NL-101	PA	04/17/2019
1631.87	A/A	Asbestos	NL-101	PA	04/17/2019
1631.88	A/A	Asbestos	NL-101	PA	04/17/2019
1631.89	A/A	Asbestos	NL-101	PA	04/17/2019
1631.90	A/A	Asbestos	NL-101	PA	04/17/2019
1631.91	A/A	Asbestos	NL-101	PA	04/17/2019
1631.92	A/A	Asbestos	NL-101	PA	04/17/2019
1631.93	A/A	Asbestos	NL-101	PA	04/17/2019
1631.94	A/A	Asbestos	NL-101	PA	04/17/2019
1631.95	A/A	Asbestos	NL-101	PA	04/17/2019
1631.96	A/A	Asbestos	NL-101	PA	04/17/2019
1631.97	A/A	Asbestos	NL-101	PA	04/17/2019
1631.98	A/A	Asbestos	NL-101	PA	04/17/2019
1631.99	A/A	Asbestos	NL-101	PA	04/17/2019
1632.00	A	2011-02-04-01-Asbestos-Analysis-012016	NL-101	PA	04/17/2019

3/14/2023

The Pennsylvania Department of Environmental Protection's Laboratory Accreditation Program is a National Accreditation Authority. Laboratory accreditation is not a license to operate. Licensees are required to follow the laboratory's current accreditation standards.



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

Corning TestAmerica Laboratories Pittsburgh  
501 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: 03-05416  
EPA Lab Code: PA00164  
TNI Code: TH02151  
PADWIS ID: 02410

**Matrix: Solid and Chemical Materials**

Method	Matrix	Analyte	Accreditation Type	Primary State	Effective Date
116.007	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.008	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.009	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.010	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.011	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.012	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.013	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.014	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.015	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.016	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.017	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.018	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.019	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.020	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.021	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.022	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.023	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.024	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.025	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.026	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.027	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.028	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.029	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.030	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.031	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.032	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.033	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.034	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.035	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.036	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.037	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.038	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.039	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.040	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.041	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.042	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.043	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.044	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.045	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.046	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.047	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.048	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.049	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.050	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.051	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.052	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.053	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.054	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.055	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.056	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.057	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.058	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.059	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.060	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.061	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.062	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.063	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.064	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.065	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.066	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.067	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.068	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.069	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.070	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.071	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.072	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.073	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.074	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.075	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.076	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.077	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.078	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.079	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.080	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.081	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.082	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.083	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.084	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.085	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.086	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.087	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.088	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.089	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.090	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.091	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.092	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.093	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.094	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.095	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.096	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.097	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.098	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.099	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018
116.100	A	2,4-Dichlorophenoxyacetic acid (2,4-D)	MSLAP	PA	04/11/2018

11/16/2018 10:00:00 AM



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.

Europa TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TAL Code: TN02151  
RADWYS ID: 02416

Matrix: Solid and Chemical Materials

Method	Reagent	Analyte	Accreditation Type	Primary State	Effective Date
100004	A	Asbestos (Total Dust)	MSL-MS	PA	01/01/2016
100005	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100006	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100007	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100008	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100009	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100010	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100011	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100012	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100013	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100014	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100015	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100016	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100017	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100018	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100019	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100020	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100021	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100022	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100023	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100024	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100025	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100026	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100027	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100028	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100029	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100030	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100031	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100032	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100033	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100034	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100035	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100036	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100037	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100038	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100039	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100040	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100041	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100042	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100043	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100044	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100045	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100046	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100047	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100048	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100049	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100050	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100051	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100052	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100053	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100054	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100055	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100056	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100057	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100058	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100059	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100060	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100061	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100062	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100063	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100064	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100065	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100066	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100067	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100068	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100069	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100070	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100071	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100072	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100073	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100074	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100075	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100076	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100077	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100078	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100079	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100080	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100081	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100082	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100083	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100084	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100085	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100086	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100087	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100088	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100089	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100090	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100091	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100092	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100093	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100094	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100095	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100096	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100097	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100098	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100099	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016
100100	A	Asbestos (Total Suspended Particulate)	MSL-MS	PA	01/01/2016

*Signature*





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.

Funding TestAmerica Laboratories Pittsburgh  
381 Alpha Drive  
Pittsburgh, PA 15238  
(412) 863-7958

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNA Code: TND2151  
PADMS ID: 02416

**Metric Solid and Chemical Metrics**

Method	Median	Analyte	Accreditation Type	Primary State	Effective Date
104.100	101.01	Arsenic	MS/MS	PA	01/10/2018
104.100	101.01	Aspartic acid	MS/MS	PA	01/10/2018
104.100	101.01	Asparagine	MS/MS	PA	01/10/2018
104.100	101.01	Cystine	MS/MS	PA	01/10/2018
104.100	101.01	Glutamic acid	MS/MS	PA	01/10/2018
104.100	101.01	Glutamine	MS/MS	PA	01/10/2018
104.100	101.01	Phenylalanine	MS/MS	PA	01/10/2018
104.100	101.01	Proline	MS/MS	PA	01/10/2018
104.100	101.01	Serine	MS/MS	PA	01/10/2018
104.100	101.01	Threonine	MS/MS	PA	01/10/2018
104.100	101.01	Tyrosine	MS/MS	PA	01/10/2018
104.100	101.01	Valine	MS/MS	PA	01/10/2018
104.100	101.01	Alanine	MS/MS	PA	01/10/2018
104.100	101.01	Glutathione	MS/MS	PA	01/10/2018
104.100	101.01	Hydroxyproline	MS/MS	PA	01/10/2018
104.100	101.01	Hydroxylysine	MS/MS	PA	01/10/2018
104.100	101.01	Hydroxyoctadecanoic acid	MS/MS	PA	01/10/2018
104.100	101.01	Hydroxystyrene	MS/MS	PA	01/10/2018
104.100	101.01	Malic acid	MS/MS	PA	01/10/2018
104.100	101.01	Malic acid isomer	MS/MS	PA	01/10/2018
104.100	101.01	Phosphoglyceric acid	MS/MS	PA	01/10/2018
104.100	101.01	Phosphoserine	MS/MS	PA	01/10/2018
104.100	101.01	Pyruvic acid	MS/MS	PA	01/10/2018
104.100	101.01	Succinic acid	MS/MS	PA	01/10/2018
104.100	101.01	Succinylcholine	MS/MS	PA	01/10/2018
104.100	101.01	Succinylglycine	MS/MS	PA	01/10/2018
104.100	101.01	Valproic acid	MS/MS	PA	01/10/2018
104.100	101.01	2-Hydroxybutyrate	MS/MS	PA	01/10/2018
104.100	101.01	2-Hydroxyglutarate	MS/MS	PA	01/10/2018
104.100	101.01	2-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	3-Hydroxybutyrate	MS/MS	PA	01/10/2018
104.100	101.01	3-Hydroxyisovalerate	MS/MS	PA	01/10/2018
104.100	101.01	4-Hydroxyphenylacetate	MS/MS	PA	01/10/2018
104.100	101.01	4-Hydroxyphenylpyruvate	MS/MS	PA	01/10/2018
104.100	101.01	5-Hydroxytryptophan	MS/MS	PA	01/10/2018
104.100	101.01	6-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	7-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	8-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	9-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	10-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	11-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	12-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	13-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	14-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	15-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	16-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	17-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	18-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	19-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	20-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	21-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	22-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	23-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	24-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	25-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	26-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	27-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	28-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	29-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	30-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	31-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	32-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	33-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	34-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	35-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	36-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	37-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	38-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	39-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	40-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	41-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	42-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	43-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	44-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	45-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	46-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	47-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	48-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	49-Hydroxyvalerate	MS/MS	PA	01/10/2018
104.100	101.01	50-Hydroxyvalerate	MS/MS	PA	01/10/2018

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a fee-for-service accreditation program. To ensure that the laboratory's data are accurate and reliable, the laboratory's data are subject to random audits.















PA017021

Deborah Lowe  
Firefins TestAmerica Laboratories, Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15230

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. 598, 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 a lapse 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/116/](http://www.depweb.state.pa.us/116/)).

If you have any questions concerning your certificate, you may contact your laboratory's accreditation office: Virginia Hunsberger at 717-346-8211 or [vhunsberge@pa.gov](mailto:vhunsberge@pa.gov).

Sincerely,

AnnMarie Beach, Chief  
Laboratory Accreditation Program

Enclosures

**APPENDIX B**

**Data Validation Summaries**  
**April-June 2021**

---

## Quality Control Review of Analytical Data- Plant Scherer Cell 1 and PAC Ash Cell Submitted by Eurofins TestAmerica April - June 2021

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Inc. for groundwater samples collected at Plant Scherer CCR Plant Scherer Cell 1 and PAC Ash Cell between April 1, 2021 and June 2, 2021. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1. In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D - Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and for applicable state and federal monitoring parameters pursuant to the sites 2010 D&O Plan. 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),

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), and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017). The review included an assessment of the results for completeness, precision (field and laboratory duplicates, matrix spike/matrix spike duplicates), accuracy (laboratory control samples and matrix spike samples), and blank contamination (including field and laboratory blanks). Additionally, sample procedures, holding times and chains-of-custody were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytic methodology, method-specific criteria or professional judgment was used.

### DATA QUALITY OBJECTIVES

<b>Laboratory Precision:</b>	Laboratory goals for precision were met.
<b>Field Precision:</b>	Field goals for precision were met.
<b>Accuracy:</b>	Laboratory goals for accuracy were met with the exception of sulfate, as described in the qualification section below.
<b>Sensitivity:</b>	Project goals for detection limits were met. Certain samples were diluted due to elevated concentrations of target analytes. Dilutions do not require qualifications based on USEPA guidelines. Detection and reporting limits of non-detect compounds are elevated proportional to the dilution when undiluted sample results are not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization. Detections were found in certain blank results, as described in the qualification sections below.

---

<b>Completeness:</b>	There were no rejected analytical results for this event, resulting in a completion of 100%.
<b>Holding Times:</b>	All holding time requirements were met in accordance with specific analytical methods.

## QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of high levels of imprecision or inaccuracy, or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the data validation process.

- J** The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- U** The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. Although these qualifications were applied to data from samples collected at the site and reported in sample delivery groups (SDGs), qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- The sulfate result for sample GWC-52 from SDG 180-119476-1 was qualified as estimated, biased low when the MS and/or MSD recovered below laboratory criteria.
- Certain vanadium, boron, thallium, beryllium and lead results in SDGs 180-119476-1, 180-11475-1, and 180-119604-2, were qualified as non-detect (U) when the analyte was detected at a similar level in an associated blank sample. As shown in Table 2, if the original sample results were below the reporting limit (RL), the results were qualified as non-detect (U) and the RLs were reported. If the original sample results were above the RL, the original result was reported and qualified U.

Golder reviewed the data from samples collected at Plant Scherer CCR Cell 1 and PAC Ash between April 1, 2021 and June 2, 2021 in accordance with the analytical methods, the laboratory specific QC criteria, and the guidelines. As described above, 100% of the results were acceptable for project use. The data are considered usable for meeting project objectives and the results are considered valid.

## REFERENCE

USEPA, January 2017, National, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Methods Data Review*, Revision 0.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data By Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy*, Revision 2.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Mercury Data By Cold Vapor Atomic Absorption*, Revision 2.0.



**TABLE 1**  
**Sample Summary Table**  
**SCS Plant Scherer**

SDGs	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses				
						Field pH	Total Metals (SW 6020B)	Mercury (EPA 7470A)	Anions (EPA 300.0)	Total Dissolved Solids (SW 2540C)
180-119476-1	GWA-21	4/2/2021	180-119476-1	GW	-	X	X	X	X	X
180-119476-1	GWA-22	4/2/2021	180-119476-2	GW	-	X	X	X	X	X
180-119476-1	GWA-45	4/2/2021	180-119476-3	GW	-	X	X	X	X	X
180-119476-1	GWA-46	4/5/2021	180-119606-1	GW	-	X	X	X	X	X
180-119476-1	GWA-47	4/5/2021	180-119606-2	GW	-	X	X	X	X	X
180-119476-1	GWA-48	4/5/2021	180-119606-3	GW	-	X	X	X	X	X
180-119476-1	GWC-51	4/5/2021	180-119606-4	GW	-	X	X	X	X	X
180-119476-1	GWC-52	4/5/2021	180-119606-5	GW	-	X	X	X	X	X
180-119476-1	DUP-1 (PA)	4/5/2021	180-119606-6	GW	FD (GWC-52)	-	X	X	X	X
180-119476-1	FB-1 (PA)	4/5/2021	180-119606-7	WQ	FB (GWC-51)	-	X	X	X	X
180-119476-1	GWA-49	4/6/2021	180-119766-1	GW	-	X	X	X	X	X
180-119476-1	GWC-29	4/6/2021	180-119766-2	GW	-	X	X	X	X	X
180-119476-1	GWC-50	4/6/2021	180-119766-3	GW	-	X	X	X	X	X
180-119476-1	GWC-53	4/6/2021	180-119766-4	GW	-	X	X	X	X	X
180-119476-1	EB-1 (PA)	4/6/2021	180-119766-5	WQ	EB (GWA-49)	-	X	X	X	X
180-119475-1	GWA-15	4/1/2021	180-119475-1	GW	-	X	X	X	X	X
180-119475-1	GWA-16	4/1/2021	180-119475-2	GW	-	X	X	X	X	X
180-119475-1	GWA-17	4/1/2021	180-119475-3	GW	-	X	X	X	X	X
180-119475-1	GWC-1	4/1/2021	180-119475-4	GW	-	X	X	X	X	X
180-119475-1	GWC-2	4/1/2021	180-119475-5	GW	-	X	X	X	X	X
180-119475-1	GWC-5	4/1/2021	180-119475-6	GW	-	X	X	X	X	X
180-119475-1	GWC-7	4/1/2021	180-119475-7	GW	-	X	X	X	X	X
180-119475-1	GWC-9	4/1/2021	180-119475-9	GW	-	X	X	X	X	X
180-119475-1	GWC-10	4/1/2021	180-119475-10	GW	-	X	X	X	X	X
180-119475-1	GWC-11	4/1/2021	180-119475-11	GW	-	X	X	X	X	X
180-119475-1	GWC-12	4/1/2021	180-119475-12	GW	-	X	X	X	X	X
180-119475-1	GWC-14	4/1/2021	180-119475-13	GW	-	X	X	X	X	X
180-119475-1	GWC-18	4/1/2021	180-119475-14	GW	-	X	X	X	X	X
180-119475-1	EB CELL 1	4/1/2021	180-119475-15	WQ	EB (GWC-11)	-	X	X	X	X
180-119475-1	FB CELL 1	4/1/2021	180-119475-16	WQ	FB (GWC-12)	-	X	X	X	X
180-119475-1	DUP CELL 1	4/1/2021	180-119475-17	GW	FD (GWC-14)	-	X	X	X	X
180-119475-1	GWC-4	4/2/2021	180-119485-1	GW		X	X	X	X	X
180-119475-1	GWC-3	4/6/2021	180-119760-1	GW		X	X	X	X	X
180-119475-1	GWC-13	4/6/2021	180-119760-2	GW	-	X	X	X	X	X
180-119604-1	GWC-6	4/5/2021	180-119604-1	GW	-	X	X	-	-	-
180-119604-1	GWC-8A	4/5/2021	180-119604-2	GW	-	X	X	-	-	-
180-119604-1	GWC-19	4/5/2021	180-119604-3	GW	-	X	X	-	-	-
180-119604-1	GWC-20	4/5/2021	180-119604-4	GW	-	X	X	-	-	-
240-150691-1	GWC-6	6/2/2021	240-150691-1	GW	-	X	-	X	X	X
240-150691-1	GWC-8A	6/1/2021	240-150691-2	GW	-	X	-	X	X	X
240-150691-1	GWC-19	6/1/2021	240-150691-3	GW	-	X	-	X	X	X
240-150691-1	GWC-20	6/1/2021	240-150691-4	GW	-	X	-	X	X	X

**Abbreviations:**

- SDG- Sample Delivery Group
- QC - Quality Control
- GW - Groundwater
- WQ - Water quality control
- SW - Solid Waste
- EPA - Environmental Protection Agency
- FB - Field Blank
- EB - Equipment Blank
- FD - Field Duplicate

**TABLE 2**  
**Qualifier Summary Table**  
**SCS Plant Scherer**

<i>SDG</i>	<i>Sample Name</i>	<i>Constituent</i>	<i>New Result</i>	<i>New RL or MDC</i>	<i>Qualifier</i>	<i>Reason</i>
180-119476-1	GWC-51	Vanadium	0.001	-	U	Method blank detection
180-119476-1	GWC-52	Sulfate	-	-	J-	MS/MSD outside acceptance criteria
180-119475-1	GWC-1	Boron	0.080	-	U	Method blank detection
180-119475-1	GWC-1	Thallium	0.0010	-	U	Method blank detection
180-119475-1	GWC-9	Boron	0.080	-	U	Method blank detection
180-119604-2	GWC-6	Thallium	0.0010	-	U	Method blank detection
180-119604-2	GWC-8A	Beryllium	0.0025	-	U	Method blank detection
180-119604-2	GWC-8A	Lead	0.0010	-	U	Method blank detection
180-119604-2	GWC-8A	Thallium	0.0010	-	U	Method blank detection
180-119604-2	GWC-19	Lead	0.0010	-	U	Method blank detection
180-119604-2	GWC-19	Thallium	0.0010	-	U	Method blank detection
180-119475-1	GWC-11	Vanadium	-	0.11	U	Equipment blank detection

**Abbreviations:**

RL : Reporting limit

MDC : Minimum detectable concentration

SDG : Sample delivery group

**Qualifiers:**

U: Non-detect

**APPENDIX B**

**Data Validation Summaries  
August-October 2021**

---

## Quality Control Review of Analytical Data- Plant Scherer Cell 1 and PAC Ash Cell Submitted by Eurofins TestAmerica August - October 2021

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Inc. for groundwater samples collected at Plant Scherer CCR Plant Scherer Cell 1 and PAC Ash Cell between August 11, 2021 and October 18, 2021. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1. In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D - Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma - Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions by Ion Chromatography (USEPA Method 300.0), and Total Dissolved Solids (Standard Methods 2540C)

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), and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017). The review included an assessment of the results for completeness, precision (field and laboratory duplicates, matrix spike/matrix spike duplicates), accuracy (laboratory control samples and matrix spike samples), and sensitivity (blank contamination, including field and laboratory blanks). Additionally, sample procedures, holding times and chains-of-custody were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytic methodology, method-specific criteria or professional judgment was used.

### DATA QUALITY OBJECTIVES

<b>Laboratory Precision:</b>	Laboratory goals for precision were met.
<b>Field Precision:</b>	Field goals for precision were met with the exception of barium, nickel, chromium, and vanadium, as described in the qualification section below.
<b>Accuracy:</b>	Laboratory goals for accuracy were met with the exception of fluoride, as described in the qualification section below.
<b>Sensitivity:</b>	Project goals for detection limits were met. Certain samples were diluted due to elevated concentrations of target analytes. Dilutions do not require qualifications based on USEPA guidelines. Detection and reporting limits of non-detect compounds are elevated proportional to the dilution when undiluted sample results are not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization. Detections were found in certain blank results, as described in the qualification sections below.

---

<b>Completeness:</b>	There were no rejected analytical results for this event, resulting in a completion of 100%.
<b>Holding Times:</b>	All holding time requirements were met in accordance with specific analytical methods.

## QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of high levels of imprecision or inaccuracy, or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory.

- J** The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- U** The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. Although these qualifications were applied to data from samples collected at the site and reported in sample delivery groups (SDGs), qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- Fluoride results for samples GWC-52, GWC-29 and GWC-2 in SDGs 180-125791-1 and 180-125776-1 were qualified as estimated, biased high when the MS and MSD recovered outside acceptance limits.
- Chromium and vanadium in GWC-50 (SDG 180-125791-1) and barium, chromium, nickel and vanadium in GWC-2 were qualified as estimated when the field duplicate relative percent difference was outside the acceptance limits.
- Certain fluoride, barium, and zinc results in SDGs 180-125776-1 and 180-125791-1, 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 RLs were reported. If the original sample results were above the RL, the original result was reported and qualified U.

Golder reviewed the data from samples collected at Plant Scherer CCR Cell 1 and PAC Ash between August 11, 2021 and October 18, 2021 in accordance with the analytical methods, the laboratory specific QC criteria, and the guidelines. As described above, 100% of the results were acceptable for project use. The data are considered usable for meeting project objectives and the results are considered valid.

## REFERENCE

USEPA, January 2017, National, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Methods Data Review*, Revision 0.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data By Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy*, Revision 2.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Mercury Data By Cold Vapor Atomic Absorption*, Revision 2.0.

**TABLE 1**  
**Sample Summary Table**  
**SCS Plant Scherer**

SDGs	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses				
						Field pH	Metals (ICP/MS) (EPA 6020B)	Anions (EPA 300.0)	Mercury (EPA 7470A)	TDS (SM 2540C)
180-125776-1	FB-1	8/11/2021	180-125776-1	WQ	FB (GWC-6)	-	X	X	X	X
180-125776-1	EB-1	8/11/2021	180-125776-2	WQ	EB (GWC-14)	-	X	X	X	X
180-125776-1	EB-2	8/11/2021	180-125776-3	WQ	EB (GWC-11)	-	X	X	X	X
180-125776-1	GWC-6	8/11/2021	180-125777-1	GW	-	X	X	X	X	X
180-125776-1	GWC-7	8/11/2021	180-125777-2	GW	-	X	X	X	X	X
180-125776-1	GWC-11	8/11/2021	180-125777-3	GW	-	X	X	X	X	X
180-125776-1	GWC-12	8/11/2021	180-125777-4	GW	-	X	X	X	X	X
180-125776-1	GWC-13	8/11/2021	180-125777-5	GW	-	X	X	X	X	X
180-125776-1	GWC-14	8/11/2021	180-125777-6	GW	-	X	X	X	X	X
180-125776-1	GWA-15	8/11/2021	180-125777-7	GW	-	X	X	X	X	X
180-125776-1	GWA-16	8/11/2021	180-125777-8	GW	-	X	X	X	X	X
180-125776-1	GWA-17	8/11/2021	180-125777-9	GW	-	X	X	X	X	X
180-125776-1	GWC-18	8/11/2021	180-125777-10	GW	-	X	X	X	X	X
180-125776-1	GWC-19	8/11/2021	180-125777-11	GW	-	X	X	X	X	X
180-125776-1	GWC-20	8/11/2021	180-125777-12	GW	-	X	X	X	X	X
180-125776-1	GWC-2	8/12/2021	180-125793-1	GW	-	X	X	X	X	X
180-125776-1	GWC-3	8/12/2021	180-125793-2	GW	-	X	X	X	X	X
180-125776-1	GWC-4	8/12/2021	180-125793-3	GW	-	X	X	X	X	X
180-125776-1	GWC-5	8/12/2021	180-125793-4	GW	-	X	X	X	X	X
180-125776-1	GWC-8A	8/12/2021	180-125793-5	GW	-	X	X	X	X	X
180-125776-1	GWC-9	8/12/2021	180-125793-6	GW	-	X	X	X	X	X
180-125776-1	DUP-1	8/12/2021	180-125793-7	GW	FD (GWC-2)	-	X	X	X	X
180-125776-1	FB-2	8/12/2021	180-125793-8	WQ	FB (GWC-8A)	-	X	X	X	X
180-125776-1	DUP-2	8/12/2021	180-125793-9	GW	FD (GWC-9)	-	X	X	X	X
180-125776-1	GWC-10	8/17/2021	180-125975-1	GW	-	X	X	X	X	X
180-125776-1	GWC-1	8/18/2021	180-126061-1	GW	-	X	X	X	X	X
180-125791-1	GWA-21	8/12/2021	180-125791-1	GW	-	X	X	X	X	X
180-125791-1	GWA-22	8/12/2021	180-125791-2	GW	-	X	X	X	X	X
180-125791-1	GWA-45	8/12/2021	180-125791-3	GW	-	X	X	X	X	X
180-125791-1	GWA-46	8/12/2021	180-125791-4	GW	-	X	X	X	X	X
180-125791-1	GWA-48	8/12/2021	180-125791-5	GW	-	X	X	X	X	X
180-125791-1	GWA-49	8/12/2021	180-125791-6	GW	-	X	X	X	X	X
180-125791-1	FB-3	8/12/2021	180-125791-7	WQ	FB (GWA-21)	-	X	X	X	X
180-125791-1	EB-3	8/12/2021	180-125791-8	WQ	EB (GWA-46)	-	X	X	X	X
180-125791-1	GWC-29	8/13/2021	180-125792-1	GW	-	X	X	X	X	X
180-125791-1	GWA-47	8/13/2021	180-125792-2	GW	-	X	X	X	X	X
180-125791-1	GWC-50	8/13/2021	180-125792-3	GW	-	X	X	X	X	X
180-125791-1	GWC-51	8/13/2021	180-125792-4	GW	-	X	X	X	X	X
180-125791-1	GWC-53	8/13/2021	180-125792-5	GW	-	X	X	X	X	X
180-125791-1	FB-4	8/13/2021	180-125792-6	WQ	FB (GWC-51)	-	X	X	X	X
180-125791-1	DUP-3	8/13/2021	180-125792-7	GW	FD (GWC-50)	-	X	X	X	X
180-125791-1	EB-4	8/13/2021	180-125792-8	WQ	EB (GWC-53)	-	X	X	X	X
180-125791-1	GWC-52	8/17/2021	180-125974-1	GW	-	X	X	X	X	X
180-125791-1	DUP-4	8/17/2021	180-125974-2	GW	FD (GWC-52)	-	X	X	X	X
180-128310-1	GWC-19	10/7/2021	180-128310-1	GW	-	-	X	-	-	-
180-125776-1	FB-1	10/7/2021	180-128310-2	WQ	FB (GWC-19)	-	X	-	-	-
180-128779-1	GWC-10	10/18/2021	180-128779-1	GW	-	-	X	-	-	-
180-128779-1	GWC-1	10/18/2021	180-128779-2	GW	-	-	-	X	-	-
180-128779-1	DUP-1	10/18/2021	180-128779-3	GW	FD (GWC-10)	-	X	-	-	-
180-128779-1	EB-1	10/18/2021	180-128779-4	WQ	EB (GWC-1)	-	X	X	-	-

**Abbreviations:**

- SDG- Sample Delivery Group
- QC - Quality Control
- GW - Groundwater
- WQ - Water quality control
- SM - Standard Method
- EPA - Environmental Protection Agency
- FB - Field Blank
- EB - Equipment Blank
- FD - Field Duplicate
- ICP/MS - Inductively Coupled Plasma/ Mass Spectrometry
- TDS - Total Dissolved Solids



**TABLE 2**  
**Qualifier Summary Table**  
**SCS Plant Scherer**

<b>SDG</b>	<b>Sample Name</b>	<b>Constituent</b>	<b>New Result</b>	<b>New RL or MDC</b>	<b>Qualifier</b>	<b>Reason</b>
180-125776-1	GWC-14	Fluoride	0.1	-	U	Equipment Blank contamination
180-125776-1	GWC-14	Barium	-	0.012	U	Equipment Blank contamination
180-125776-1	GWC-6	Fluoride	0.1	-	U	Field Blank contamination
180-125776-1	GWC-2	Fluoride	-	-	J+	MS/MSD outside acceptance criteria
180-125776-1	GWC-2	Barium	-	-	J	Field Duplicate RPD was outside acceptance limits
180-125776-1	GWC-2	Chromium	-	-	J	Field Duplicate RPD was outside acceptance limits
180-125776-1	GWC-2	Nickel	-	-	J	Field Duplicate RPD was outside acceptance limits
180-125776-1	GWC-2	Vanadium	-	-	J	Field Duplicate RPD was outside acceptance limits
180-125791-1	GWC-53	Zinc	-	0.017	U	Equipment Blank contamination
180-125791-1	GWC-52	Fluoride	-	-	J+	MS/MSD outside acceptance criteria
180-125791-1	GWC-29	Fluoride	-	-	J+	MS/MSD outside acceptance criteria
180-125791-1	GWC-50	Chromium	-	-	J	Field Duplicate RPD was outside acceptance limits
180-125791-1	GWC-50	Vanadium	-	-	J	Field Duplicate RPD was outside acceptance limits

**Abbreviations:**

RL : Reporting limit

MDC : Minimum detectable concentration

SDG : Sample delivery group

MS/MSD: Matrix Spike/Matrix Spike Duplicate

RPD: Relative Percent Difference

**Qualifiers:**

U: Non-detect

J+: Estimated, bias high

J: Estimated



**APPENDIX C**

**WELL MAINTENANCE AND REPAIR  
DOCUMENTATION MEMORANDUM AND WELL  
CONDITION ASSESSMENT FORMS**



## TECHNICAL MEMORANDUM

**DATE** January 27, 2022

**TO** Joju Abraham, PG  
Southern Company Services

**CC** Ben Hodges, Georgia Power Company

**FROM** Golder Associates USA, Inc.

**PLANT SCHERER CELL 1, CELL 3, AND PAC ASH CELL – WELL MAINTENANCE AND REPAIR DOCUMENTATION  
GEORGIA POWER COMPANY**

Golder Associates USA Inc. (Golder) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant Scherer Cell 1, Cell 3, and PAC Ash Cell during the semi-annual reporting period. Conducted in August 2021. Repairs and maintenance were completed by Southern Company Civil Field Services in accordance with 12-5-134 (5)(D)vii of the Georgia Well Standards Act (1985) for routine visual inspections of groundwater monitoring wells (i.e., at least once every five years( under the direction of a Georgia licensed professional engineer or geologist.

**Plant Scherer Cell 1, Cell 3 and PAC Ash Cell – Well Maintenance Summary**

Well ID	Date Performed	Maintenance/Repair Performed
GWC-2	01/2022	Vegetation cleared to improve access and visibility
GWC-3	10/11/2021	Well pad and protective cover replaced, casing extended, protective bollards installed. Resurvey scheduled for Q1-2022.
GWC-6	08/16/2021	Leaning bollard. Repair Scheduled for Q1-2022
GWA-39	01/2022	Vegetation cleared to improve access and visibility
GWA-40	01/2022	Vegetation cleared to improve access and visibility
GWA-41	01/2022	Vegetation cleared to improve access and visibility
GWA-42	01/2022	Vegetation cleared to improve access and visibility
GWA-43	01/2022	Vegetation cleared to improve access and visibility
GWA-44A	01/2022	Vegetation cleared to improve access and visibility
GWA-54	01/2022	Vegetation cleared to improve access and visibility

Well ID	Date Performed	Maintenance/Repair Performed
GWC-30	01/2022	Vegetation cleared to improve access and visibility
GWC-31	01/2022	Vegetation cleared to improve access and visibility
GWC-32	01/2022	Vegetation cleared to improve access and visibility
GWC-33A	01/2022	Vegetation cleared to improve access and visibility
GWC-34	01/2022	Vegetation cleared to improve access and visibility
GWC-35	01/2022	Vegetation cleared to improve access and visibility
GWC-36	01/2022	Vegetation cleared to improve access and visibility
GWC-37	01/2022	Vegetation cleared to improve access and visibility
GWC-38	01/2022	Vegetation cleared to improve access and visibility

**Golder Associates Inc.**



Dawn L. Prell  
*Senior Consultant, Hydrogeologist*



Rachel P. Kirkman, PG  
*Prinicpal Hydrogeologist*

Attachments: Photo Documentation of Repairs

[https://golderassociates.sharepoint.com/sites/24912g/project files/300 field information/2021/08\\_2021 semi-annual/water level + well condition/well condition/schlif\\_well maintenance repair memo 12.2021.docx](https://golderassociates.sharepoint.com/sites/24912g/project%20files/300%20field%20information/2021/08_2021%20semi-annual/water%20level%20+%20well%20condition/well%20condition/schlif_well%20maintenance%20repair%20memo%2012.2021.docx)

**Southern Company CFS**  
**Plant Scherer Jan. 2022 Well O&M (Jan. 6<sup>th</sup>)**

**Scherer Landfill:**

GWC-6 – Repaired bent bollard.



GWC-3 – Pad/Bollards installed on 10/11/2021.



**Southern Company CFS**  
**Plant Scherer Jan. 2022 Well O&M (Jan. 6<sup>th</sup>)**

Cleaned off well pad and trimmed weeds from:

- GWC-2
- GWA-39
- GWA-40
- GWA-41
- GWA-42
- GWA-43
- GWA-44A
- GWA-54
- GWC-30
- GWC-31
- GWC-32
- GWC-33A
- GWC-34
- GWC-35
- GWC-36
- GWC-37
- GWC-38

**APPENDIX C**

**Well Inspection Form  
February 2021**

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)  (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
Cell 1	GWC-1	↓	S	S	S	S	S
	GWC-2	↓	S	S	S	S	S
	GWC-3	↓	S	Casing removed due to area construction	Pad removed due to area construction	(c) missing weephole	S
	GWC-4	↓	S	S	S	S	S
	GWC-5	↓	S	S	S	S	S
	GWC-6	↓	S	S	S	S	S
	GWC-7	↓	(b) missing label	S	S	S	S
	GWC-8	↓	S	S	S	S	S
	GWC-9	↓	S	S	S	S	S
	GWC-10	↓	S	S	S	S	S
	GWC-11	↓	S	S	S	S	S
	GWC-12	↓	S	S	S	S	S
	GWC-13	↓	S	S	S	S	S
	GWC-14	↓	S	S	S	S	S
	GWA-15	↑	S	S	S	S	S
	GWA-16	↑	S	S	S	S	S
	GWA-17	↑	S	S	S	S	S
	GWC-18	↓	S	S	S	S	S
	GWC-19	↓	S	(d) observed unlocked	S	(a) missing cap	S
	GWC-20	↓	S	S	S	S	S
PAC Ash	GWA-21	↑	S	S	S	S	S
	GWA-22	↑	S	S	S	S	S
	GWC-29	↓	S	S	S	S	S
	GWA-45	↑	S	S	S	S	S
	GWA-46	↑	S	S	S	S	S

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)  (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
PAC Ash	GWA-47	↑	S	S	S	S	S
	GWA-48	↑	S	S	S	S	S
	GWA-49	↑	S	S	S	S	S
	GWC-50	↓	S	S	S	S	S
	GWC-51	↓	S	S	S	S	S
	GWC-52	↓	S	S	S	S	S
	GWC-53	↓	S	S	S	S	S
Cell 3	GWA-39	↑	(b) incorrectly labeled	S	S	S	S
	GWA-40	↑	(b) incorrectly labeled	S	S	S	S
	GWA-41	↑	(b) incorrectly labeled	S	S	S	S
	GWA-42	↑	(b) incorrectly labeled	S	S	S	S
	GWA-43	↑	(b) incorrectly labeled	S	S	S	S
	GWA-44A	↑	(b) incorrectly labeled	S	S	S	S
	GWA-54	↑	S	S	S	S	S
	GWC-30	↓	S	S	S	S	S
	GWC-31	↓	S	S	S	(c) missing weephole	S
	GWC-32	↓	S	S	S	S	S
	GWC-33A	↓	(b) incorrectly labeled	S	S	S	S
	GWC-34	↓	S	S	S	S	S
	GWC-35	↓	S	S	S	S	S
	GWC-36	↓	S	S	S	S	S
	GWC-37	↓	S	S	S	S	S
GWC-38	↓	S	S	S	(c) missing weephole	S	



**APPENDIX C**

**Well Inspection Form  
March-April 2021**

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)  (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
Cell 1	GWC-1	↓	S	S	S	S	S
	GWC-2	↓	S	S	S	S	S
	GWC-3	↓	No ID due to casing removed	Casing removed due to area construction	Pad removed due to area construction	S	S
	GWC-4	↓	S	S	S	S	S
	GWC-5	↓	S	S	S	S	S
	GWC-6	↓	S	S	(d) Leaning barricade	S	S
	GWC-7	↓	S	S	S	S	S
	GWC-8	↓	S	S	S	S	S
	GWC-9	↓	S	S	S	S	S
	GWC-10	↓	S	S	S	S	S
	GWC-11	↓	S	S	S	S	S
	GWC-12	↓	S	S	S	S	S
	GWC-13	↓	S	S	S	S	S
	GWC-14	↓	S	S	S	S	S
	GWA-15	↑	S	S	S	S	S
	GWA-16	↑	S	S	S	S	S
	GWA-17	↑	S	S	S	S	S
	GWC-18	↓	S	S	S	S	S
	GWC-19	↓	S	S	S	S	S
	GWC-20	↓	S	S	(e) mud/debris washout on pad	S	S
PAC Ash	GWA-21	↑	S	S	S	S	S
	GWA-22	↑	S	S	S	S	S
	GWC-29	↓	S	S	S	S	S
	GWA-45	↑	S	S	S	S	S
	GWA-46	↑	S	S	(c) ants on pad	S	S
	GWA-47	↑	S	S	(c) ants on pad	S	S

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify)  (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
PAC Ash	GWA-48	↑	S	S	(c) ants on pad	S	S
	GWA-49	↑	S	S	(c) ants on pad	S	S
	GWC-50	↓	S	S	S	S	S
	GWC-51	↓	S	S	S	S	S
	GWC-52	↓	S	S	S	S	S
	GWC-53	↓	S	S	S	S	S
Cell 3	GWA-39	↑	S	S	S	S	S
	GWA-40	↑	S	S	S	S	S
	GWA-41	↑	S	S	S	S	S
	GWA-42	↑	S	S	S	S	S
	GWA-43	↑	S	S	S	S	S
	GWA-44A	↑	S	S	S	S	S
	GWA-54	↑	S	S	S	S	S
	GWC-30	↓	S	S	S	S	S
	GWC-31	↓	S	S	S	S	S
	GWC-32	↓	S	S	S	S	S
	GWC-33A	↓	S	S	S	S	S
	GWC-34	↓	S	S	S	S	S
	GWC-35	↓	S	S	S	S	S
	GWC-36	↓	S	S	S	S	S
	GWC-37	↓	S	S	S	S	S
GWC-38	↓	S	S	S	S	S	

**APPENDIX C**

**Well Inspection Form  
August 2021**

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify)
		↑ or ↓	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
Cell 1	GWC-1	↓	S	S	S	S	S
	GWC-2	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-3	↓	No ID due to casing removed	Casing removed due to area construction	Pad removed due to area construction	S	S
	GWC-4	↓	S	S	S	S	S
	GWC-5	↓	S	S	S	S	S
	GWC-6	↓	S	S	(d) Leaning bollard	S	S
	GWC-7	↓	S	S	S	S	S
	GWC-8	↓	S	S	S	S	S
	GWC-9	↓	S	S	S	S	S
	GWC-10	↓	S	S	S	S	S
	GWC-11	↓	S	S	S	S	S
	GWC-12	↓	S	S	S	S	S
	GWC-13	↓	S	S	S	S	S
	GWC-14	↓	S	S	S	S	S
	GWA-15	↑	S	S	S	S	S
	GWA-16	↑	S	S	S	S	S
	GWA-17	↑	S	S	S	S	S
	GWC-18	↓	S	S	(c) ants on pad	S	S
	GWC-19	↓	S	S	S	S	S
	GWC-20	↓	S	S	S	S	S

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  <b>(S) for Satisfactory Discrepancies identified below</b>	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  <b>(S) for Satisfactory Discrepancies identified below</b>	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  <b>(S) for Satisfactory Discrepancies identified below</b>	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  <b>(S) for Satisfactory Discrepancies identified below</b>	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify)  <b>(S) for Satisfactory Discrepancies identified below</b>
		↑ or ↓					
PAC Ash	GWA-21	↑	S	(c) ants in annulus	S	S	S
	GWA-22	↑	S	S	S	S	S
	GWC-29	↓	S	S	S	S	S
	GWA-45	↑	S	S	S	S	S
	GWA-46	↑	S	S	S	S	S
	GWA-47	↑	S	S	S	S	S
	GWA-48	↑	S	S	S	S	S
	GWA-49	↑	S	S	S	S	S
	GWC-50	↓	S	S	S	S	S
	GWC-51	↓	S	S	S	S	S
	GWC-52	↓	S	S	S	S	S
	GWC-53	↓	S	S	S	S	S

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  <b>(S) for Satisfactory Discrepancies identified below</b>	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  <b>(S) for Satisfactory Discrepancies identified below</b>	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  <b>(S) for Satisfactory Discrepancies identified below</b>	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  <b>(S) for Satisfactory Discrepancies identified below</b>	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)  <b>(S) for Satisfactory Discrepancies identified below</b>
		↑ or ↓					
Cell 3	GWA-39	↑	(a) access path overgrown	S	(e) overgrown	S	S
	GWA-40	↑	(a) access path overgrown	S	(e) overgrown	S	S
	GWA-41	↑	(a) access path overgrown	S	(e) overgrown	S	S
	GWA-42	↑	(a) access path overgrown	S	(e) overgrown	S	S
	GWA-43	↑	(a) access path overgrown	S	(e) overgrown	S	S
	GWA-44A	↑	(a) access path overgrown	S	(e) overgrown	S	S
	GWA-54	↑	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-30	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-31	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-32	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-33A	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-34	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-35	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-36	↓	(a) access path overgrown	S	(e) overgrown	S	S
	GWC-37	↓	(a) access path overgrown	S	(e) overgrown	S	S
GWC-38	↓	(a) access path overgrown	S	(e) overgrown	S	S	

**APPENDIX D**

**STATISTICAL ANALYSES**



**APPENDIX D**

**Statistical Analyses  
April 2021**

April 2021

GROUNDWATER  
STATISTICAL  
ANALYSIS

FOR

PLANT SCHERER  
CELL 1 LANDFILL

Prepared by:

Groundwater Stats Consulting LLC



# TABLE OF CONTENTS

<b><i>Narrative</i></b>	<b>3-18</b>
<b>Summary Tables</b>	<b>19-49</b>
Power Curves	19
100% Nondetects Summary	20
No Variation Well/Constituent Pairs Summary	21
Background Date Ranges	22
Appendix I Mann-Whitney Summary	23-27
Appendix III Mann-Whitney Summary	28-31
Trend Tests – Upgradient Wells	32
Appendix I Intrawell Prediction Limit Summary	33-37
Appendix I Interwell Prediction Limit Summary (Intrawell Exceedances)	38-39
Appendix I Trend Test Summary	40-41
Appendix III Intrawell Prediction Limit Summary	42-45
Appendix III Interwell Prediction Limit Summary (Intrawell Exceedances)	46-47
Appendix III Trend Test Summary	48-49
<b>Time Series</b>	<b>50-229</b>
<b>Box Plots</b>	<b>230-253</b>
<b>Outlier Summary</b>	<b>254-258</b>
<b>Appendix I Mann-Whitney Tests</b>	<b>259-319</b>
<b>Appendix III Mann-Whitney Tests</b>	<b>320-357</b>
<b>Trend Tests – Upgradient Wells</b>	<b>358-361</b>
<b>Appendix I Intrawell Prediction Limits</b>	<b>362-617</b>
<b>Appendix I Interwell Prediction Limits (Intrawell Exceedances)</b>	<b>618-624</b>
<b>Appendix I Interwell Prediction Limits</b>	<b>625-638</b>
<b>Appendix I Trend Tests</b>	<b>639-644</b>
<b>Appendix III Intrawell Prediction Limits</b>	<b>645-810</b>
<b>Appendix III Interwell Prediction Limits (Intrawell Exceedances)</b>	<b>811-818</b>
<b>Appendix III Trend Tests</b>	<b>819-827</b>

## GROUNDWATER STATS CONSULTING

August 24, 2021

Southern Company Services  
Attn: Mr. Joju Abraham  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308-3374



Re: Plant Scherer Cell 1 Landfill  
Background Update and Statistical Analysis – 2021 1<sup>st</sup> Semi-Annual

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and 2021 1<sup>st</sup> Semi-Annual Groundwater Monitoring Statistical Analysis for the April/June 2021 sample event for Georgia Power Company's Plant Scherer Cell 1 Landfill. The analysis complies with the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Sampling began for the Coal Combustion Residuals (CCR) program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2010. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-15, GWA-16, and GWA-17
- **Downgradient wells:** GWC-1, GWC-2, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-9, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, and GWC-20

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting and Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The State and CCR program consist of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Statistical analyses are not required when 100% non-detects are present in wells for a given constituent. A list of well/constituent pairs with 100% non-detects follows this letter. Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, 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 CCR Appendix III and Georgia EPD Appendix I 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.

In earlier analyses, 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 are provided 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 that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. For the state parameters, it is assumed a minimum of 14 background samples are available to provide adequate statistical power using a 1-of-2 resample plan. Power curves are based on the following:

**Georgia EPD Constituents:**

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan (arsenic and silver)
- Intrawell Prediction Limits with 1-of-2 resample plan (antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 16
- # Downgradient wells: 17

**CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 17

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample 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. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, 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). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

### **Summary of Background Screening – Appendix III – Conducted in 2017**

The original background screening for Appendix III constituents was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Intrawell prediction limits, combined with a 1-of-2 resample plan, were recommended. The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach.

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. Based on the results of the original background screening, intrawell tests were recommended for all Appendix III parameters.

## **Summary of Background Screening – Georgia EPD Appendix I – Conducted in August 2019**

### Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values are identified as outliers, values were not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells, or were reported non-detects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. A summary of all flagged values is included in Figure C.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent

reporting limit was applied when varying detection limits existed in data as discussed above.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections for the following constituents: arsenic, barium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed several statistically significant increasing trends. However, the majority of these trends were relatively low in magnitude when compared to average concentrations; therefore, most records required no adjustments. The following well/constituent pairs did require adjustments to the records in order to remove increasing trends and use more recent data that will result in statistical limits representative of present-day groundwater quality conditions: chromium in wells GWC-1 and GWC-10, and vanadium in well GWC-1. A summary of the background periods used for these well/constituent pairs follows this letter. When an increasing trend in a downgradient well is removed by truncating the earlier portion of the record for a constituent analyzed by intrawell limits, it is assumed that the trend is not the result of the facility. This assumption is supported by a boxplot for all wells, by pre-waste data, or by an alternate source demonstration.

Selenium at well GWC-5 had elevated concentrations beginning in 2015, reportedly, due to surface infiltration from a leaking pipe that has since been fixed. Therefore, trend tests

were recommended in lieu of prediction limits. While the trend test showed an increasing trend when the entire record of data was evaluated, an additional trend test which evaluated only the most recent 8 measurements was included and demonstrated that the more recent measurements result in a statistically significant decreasing trend. Prediction limits may resume when at least 8 measurements return to background levels.

Several statistically significant decreasing trends were noted, but no records required adjustment during the screening. Vanadium at well GWC-8A has several more recent low-level reported concentrations similar to those reported during the earliest years of sampling. If these low-level concentrations continue, once a minimum of 8 new observations are available, the background data will likely be truncated to only use more recent data for construction of statistical limits.

### Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells which included: arsenic, barium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc. The ANOVA assists in identifying the most appropriate statistical approach. 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 are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for: nickel, selenium, and zinc. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: arsenic, copper, and silver. This suggests that interwell analysis is the most appropriate statistical method for these constituents. However, because this is a lined landfill and pre-waste data are available, it was noted that copper, nickel, and zinc were present in low level detections during the collection of background data which indicates that these metals occur naturally in this area. Due to the evidence of natural occurrence, these constituents are eligible for intrawell analyses. It was also, reportedly, determined that selenium, which had only recent detections in downgradient well GWC-5 as discussed above, was eligible for intrawell analyses. An alternate source demonstration provided evidence to support the assumption that detections in this well are from a source other than the landfill. Therefore, of the

constituents listed above, interwell analyses were recommended only for arsenic and silver.

Variation was noted for barium, chromium, cobalt, lead, and vanadium. Pre-waste data show these metals also exist naturally in low level detections making them eligible for intrawell testing. A summary table of the ANOVA results was included with the screening.

## **Background Update – Georgia EPD Appendix I and CCR Appendix III – June 2021**

### Outlier Analysis

Prior to updating background data, visual screening was used to evaluate data for suspected outliers in upgradient and downgradient wells through September 2020 (Figure C). All of the more recent compliance measurements appeared stable with no spurious measurements compared to the previously screened historical data sets; therefore, no new outliers were flagged except for a high value for sulfate at well GWC-13 and the historic highest values for chloride and sulfate at GWC-5. These values were flagged in order to maintain conservative (i.e. lower) statistical limits. A summary of all flagged outliers follows this letter. Outliers are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

### Mann-Whitney Comparison of Medians

For constituents tested using intrawell prediction limits, which includes all Georgia EPD Appendix I constituents (except arsenic and silver which utilize interwell prediction limits) and all CCR Appendix III constituents, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2018 to the new compliance samples at each well through September 2020 (Figures D and E, respectively). When no variation is present between historical data and compliance samples, the Mann-Whitney test is not performed. A list of well/constituent pairs with no variation follows this report. While all other well/constituent pairs were tested using the Mann Whitney (Wilcoxon Rank Sum) test as may be seen on the summary table following this letter, only the significant results are provided in the graphical output. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. Statistically significant differences (either an increase or decrease in median concentrations) were found between the two groups for the following well/constituent pairs:

## Appendix I

### Increase

- Barium: GWC-10, GWC-12, GWC-13, and GWC-19
- Chromium: GWC-10

### Decrease

- Antimony: GWC-2
- Beryllium: GWC-7
- Cadmium: GWA-17 (upgradient) and GWC-11
- Chromium: GWC-3
- Cobalt: GWA-16, GWA-17 (both upgradient), GWC-1, GWC-2, GWC-3, GWC-4, GWC-5, GWC-7, GWC-9, GWC-11, GWC-18, GWC-19, and GWC-20
- Copper: GWC-18
- Nickel: GWA-15 (upgradient), GWC-1, GWC-3, GWC-5, GWC-6, GWC-7, GWC-9, GWC-11, GWC-12, GWC-13, GWC-18, GWC-19, and GWC-20
- Thallium: GWA-15, GWA-17 (both upgradient), GWC-1, GWC-2, and GWC-4
- Vanadium: GWC-8A
- Zinc: GWC-12

## Appendix III

### Increase

- Calcium: GWC-8A
- Chloride: GWC-10 and GWC-18
- Sulfate: GWC-10 and GWC-13

### Decrease

- Calcium: GWC-3 and GWC-5
- Chloride: GWC-3 and GWC-5
- Fluoride: GWA-16, GWA-17 (both upgradient), GWC-2, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-11, GWC-13, GWC-18, GWC-19, and GWC-20
- Sulfate: GWA-17 (upgradient), GWC-5, GWC-8A, and GWC-18
- TDS: GWC-5

Typically, when the test concludes that the medians of the two groups are statistically significantly different, particularly in the downgradient wells, background data sets are not updated unless further research provides reasonable justification that the changes in concentrations reflect a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is

of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

In this analysis, the majority of the records with statistically significant Mann-Whitney results for upgradient and downgradient wells were updated due to similar shifts in downgradient water quality conditions compared to those observed upgradient of the facility. Additionally, since statistically significant decreases in medians between historical and compliance data sets signify lower concentrations, and subsequently, more conservative (i.e. lower) statistical limits, these cases were updated with more recent data. Some cases, however, resulted in statistically significant increases in median concentrations and were further evaluated to determine whether more recent data could be incorporated for constructing statistical limits. These particular cases are discussed below.

For Georgia EPD Appendix I parameters, barium in downgradient wells GWC-10, GWC-12, GWC-13, and GWC-19 showed concentrations that are increasing compared to historical measurements. For barium in downgradient well GWC-12, newer concentrations are similar to historical concentrations; therefore, this record was updated with compliance samples. For the other three wells, records were not updated at this time and will be re-evaluated during the next background update. If there is no evidence of facility impacts, the records will be updated. Exceptionally high measurements may be flagged as outliers and/or earlier observations may be deselected to obtain statistical limits that are representative of current, unimpacted conditions. Chromium at downgradient well GWC-10 showed a statistically significant increase with a continuing steady upward trend and, therefore, was not updated.

The Mann Whitney test did not identify significant differences in medians for lead at all wells; however, it was noted that historical data prior to 2016 are variable and likely represent a sampling or analysis error. Therefore, all historical data prior to 2016 for lead were truncated so that resulting prediction limits will be conservative (i.e. lower) from a regulatory perspective.

All records will be re-evaluated during the next background update and if future concentrations are similar to those observed currently, the earlier portion of the records may require deselection so only more recent data are used to construct statistical limits which are reflective of present-day water quality conditions. If, however, concentrations return to historical lower levels, more recent higher measurements may be flagged as outliers and deselected prior to construction of statistical limits.

For CCR Appendix III parameters, chloride in wells GWC-10 and GWC-18 showed statistically significant increases in the median concentrations. However, the new measurements were well within the range of observations observed at neighboring wells, including upgradient well GWA-15. Therefore, these records were updated with more recent data. Although a statistically significant increase was identified for sulfate in downgradient well GWC-13, the compliance data represent very low concentrations that are slightly greater than historical concentrations which are mostly non-detect. Therefore, this well/constituent pair was updated with compliance data.

The Mann-Whitney test identified statistically significant decreases in median concentrations for both chloride and sulfate at well GWC-5 in which historical concentrations were substantially higher than those observed currently. In order to construct statistical limits that are conservative (i.e. lower) from a regulatory perspective, these well/constituent pairs were updated with compliance data, and the highest reported measurements were flagged as outliers as discussed below.

The more recent sulfate concentrations in well GWC-10, while very low and similar to those observed in upgradient well GWA-15, are steadily increasing. Therefore, this well/constituent pair was not updated with compliance data at this time and will be re-evaluated during the next background update. Additionally, since the compliance concentrations for calcium in well GWC-8A are steadily trending upward and are higher than those in any upgradient well, this well/constituent pair was not updated.

If it is later determined that these trends or increases in concentrations are short-term or not the result of the facility, then these records may be updated. A summary of these results follows this letter, and the test results are included with the Mann Whitney test section at the end of this report. Additionally, a list of well/constituent pairs that use a truncated portion of their record also follows this report.

### Trend Tests

For constituents requiring interwell prediction limits (arsenic and silver), the Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells (Figure F). As mentioned above, in the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend, thus reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. No significant



trends were identified among upgradient wells for arsenic and silver; therefore, no further action was necessary. Complete graphical results of the trend tests follow this report.

## **Statistical Analysis of Georgia EPD Appendix I Constituents – April/June 2021**

Intrawell limits were used to evaluate all Georgia EPD constituents in this analysis with the exception of arsenic and silver, which use interwell limits, and selenium at well GWC-5 which uses a trend test in lieu of a prediction limit. In cases where intrawell analyses are recommended and downgradient average concentrations are higher than upgradient observed concentrations for a given constituent, the current assumption is that the higher upgradient concentrations are due to natural spatial variation rather than a result of practices at the landfill. The pre-waste data support this logic, as well as the alternate source demonstrations prepared by Golder Associates.

When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells (such as arsenic and silver), interwell prediction limits will initially be selected for the statistical method until further evidence shows that concentrations are due to natural variation rather than a result of the facility.

### Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through September 2020, except where mentioned above, within each well with detections for antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc (Figure G). As previously discussed, no statistical analyses were included for well/constituent pairs which contain 100% non-detects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. The following statistical exceedances were noted for the intrawell prediction limits:

- Barium: GWC-19
- Zinc: GWC-2



Following the two-step analysis procedure discussed above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the initial intrawell prediction limit exceedances (Figure H). The following statistical exceedances were noted for the interwell prediction limits:

- Zinc: GWC-2

Interwell prediction limits, combined with a 1-of-2 resample plan, were also constructed using all pooled upgradient well data through June 2021 to develop background limits for arsenic and silver (Figure I). No statistical exceedances were noted for the interwell prediction limits. Summary tables of the intrawell and interwell prediction limits follow this letter along with the complete graphical results. For future semi-annual sampling events, the interwell limits will be updated each time after careful screening for new outliers on the current upgradient well data, while the intrawell prediction limits will remain the same until the next background update.

### Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are 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 unrelated to practices at the site.

As recommended during the previous screening, trend tests were used in lieu of prediction limits for selenium at well GWC-5 until concentrations resume background levels. The trend test for selenium at well GWC-5 is included with the trend test section for Appendix I prediction limit exceedances (Figure I). While no statistically significant trend is present for selenium at well GWC-5 when the entire record is evaluated, a statistically significant decreasing trend is present when evaluating the most recent 8 measurements, which demonstrates that more recent concentrations are returning to background levels. Although current groundwater concentrations have recently returned to historical levels, concentrations have not been stable overtime, and constructing prediction limits would not provide statistical limits that are conservative from a regulatory perspective. During the next background update, this well/constituent pair will be screened for the purpose of constructing statistical limits. A summary of the trend tests follows this letter along with complete graphical results of the trend analysis (Figure J). Statistically significant trends were noted for the following well/constituent pairs:

Increasing:

- Barium: GWC-19

Decreasing:

- Barium: GWA-16 and GWA-17 (both upgradient)

### **Statistical Analysis of Appendix III Parameters – April/June 2021**

Based on the 2017 screening, intrawell prediction limits for all Appendix III parameters, combined with a 1-of-2 resample plan, were constructed using all historical data, except where mentioned above, through September 2020. The April and June 2021 samples were compared to those limits. Note that due to variation in the background data that resulted in elevated parametric prediction limits for chloride and sulfate at downgradient well GWC-5, non-parametric prediction limits were constructed in order to generate statistical limits that are conservative (i.e. lower) from a regulatory perspective.

#### Prediction Limits

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. If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the Appendix III prediction limits follows this letter, along with complete graphical results (Figure K). The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWC-8A
- Chloride: GWA-15 (upgradient), GWC-7, GWC-10, GWC-14, and GWC-19
- pH: GWC-2, GWC-9, and GWC-19
- Sulfate: GWC-2, GWC-10, GWC-19, and GWC-20

Following the two-step analysis procedure as mentioned above, interwell prediction limits were then constructed using pooled upgradient well data through June 2021 to evaluate the initial intrawell prediction limit exceedance (Figure K). The following statistical exceedances were noted for the interwell prediction limits:

- Calcium: GWC-8A
- pH: GWC-2

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure L). 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. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter. Statistically significant trends were found for the following well/constituent pairs:

Increasing:

- Calcium: GWC-8A
- Chloride: GWC-10
- Sulfate: GWC-10

Decreasing:

- Chloride: GWA-17 (upgradient)

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer Cell 1 Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

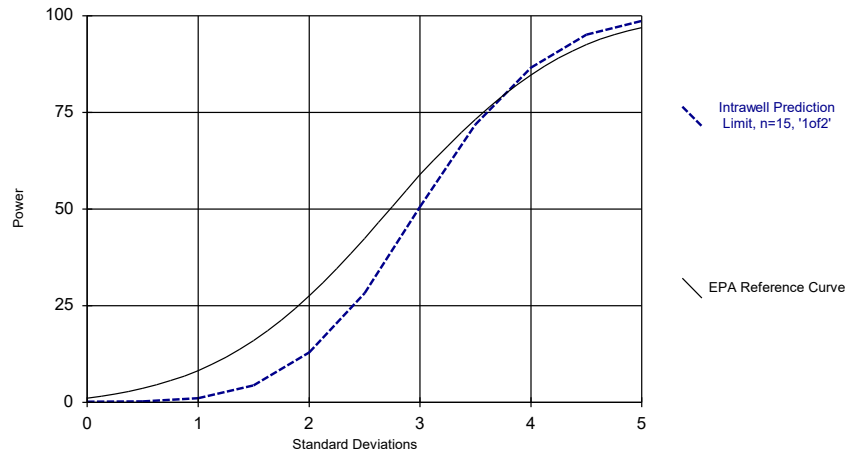


Andrew T. Collins  
Project Manager



Kristina L. Rayner  
Groundwater Statistician

### Appendix I Intrawell Power Curve

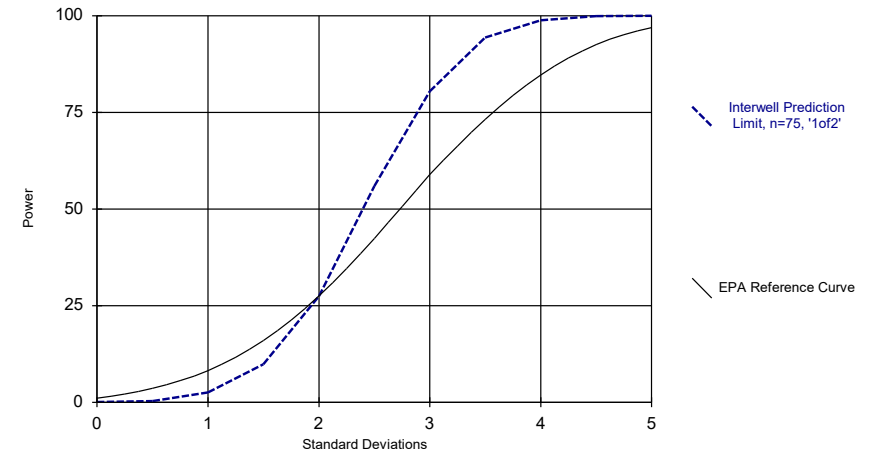


Kappa = 2.949, based on 17 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:23 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Appendix I Interwell Power Curve

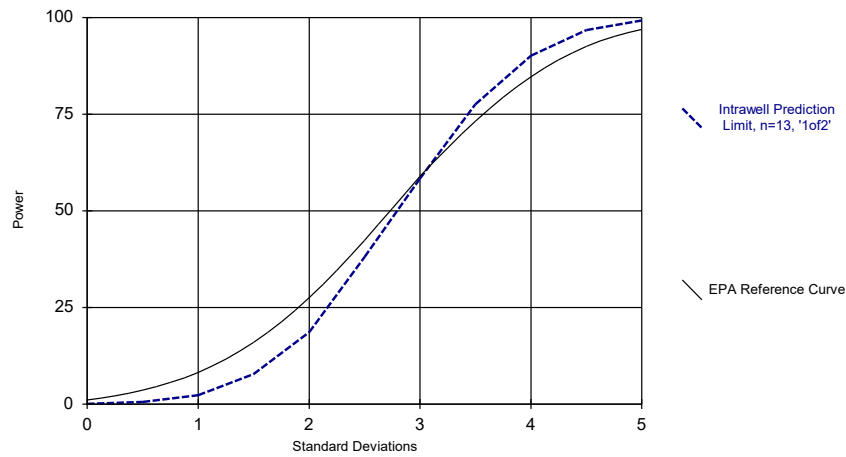


Kappa = 2.308, based on 17 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:24 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Appendix III Intrawell Power Curve

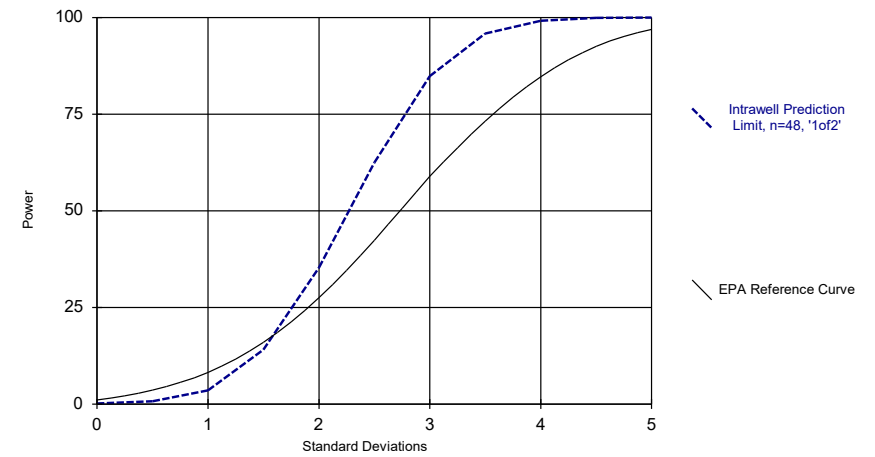


Kappa = 2.762, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:24 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Appendix III Interwell Power Curve



Kappa = 2.179, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:25 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# 100% Non-Detects

Analysis Run 6/24/2021 10:24 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

**Antimony, Total (mg/L)**

GWA-15, GWA-17, GWC-1, GWC-10, GWC-11, GWC-13, GWC-14, GWC-20, GWC-4, GWC-5, GWC-6, GWC-8A, GWC-9

**Beryllium, Total (mg/L)**

GWA-15, GWA-16, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-9

**Boron, total (mg/L)**

GWA-15, GWA-16, GWC-10, GWC-11, GWC-12, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-4, GWC-7

**Cadmium, Total (mg/L)**

GWA-15, GWA-16, GWC-1, GWC-10, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-9

**Cobalt, Total (mg/L)**

GWC-10, GWC-13, GWC-14

**Copper (mg/L)**

GWA-15, GWC-1, GWC-10, GWC-12, GWC-19, GWC-5

**Lead, Total (mg/L)**

GWA-15, GWC-10, GWC-12, GWC-14, GWC-18, GWC-20, GWC-5, GWC-6, GWC-9

**Mercury (mg/L)**

GWC-12

**Nickel (mg/L)**

GWC-14

**Selenium, Total (mg/L)**

GWC-13, GWC-20, GWC-4

**Silver (mg/L)**

GWA-15, GWA-16, GWA-17, GWC-10, GWC-11, GWC-12, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-7, GWC-8A, GWC-9

**Thallium, Total (mg/L)**

GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-20, GWC-3, GWC-5, GWC-9

# No Variation Well/Constituent Pairs

Date: 6/15/2021 3:39 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

**Antimony, Total (ug/L)**

GWA-15, GWA-17, GWC-1, GWC-10, GWC-11, GWC-13, GWC-14, GWC-20, GWC-4, GWC-5, GWC-6, GWC-8A, GWC-9

**Beryllium, Total (ug/L)**

GWA-15, GWA-16, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-8A, GWC-9

**Boron, total (mg/L)**

GWA-15, GWA-16, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7

**Cadmium, Total (ug/L)**

GWA-15, GWA-16, GWC-1, GWC-10, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-9

**Calcium, total (mg/L)**

GWA-15, GWA-16, GWA-17, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-9

**Cobalt, Total (ug/L)**

GWC-10, GWC-13, GWC-14

**Copper (mg/L)**

GWA-15, GWC-1, GWC-10, GWC-12, GWC-19, GWC-2, GWC-5

**Lead, Total (ug/L)**

GWA-15, GWC-12

**Mercury (mg/L)**

GWC-12

**Nickel (mg/L)**

GWC-14

**Selenium, Total (ug/L)**

GWC-13, GWC-20, GWC-4

**Thallium, Total (ug/L)**

GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-5, GWC-6, GWC-8A, GWC-9

# Date Ranges

Date: 6/24/2021 10:21 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Barium, Total (mg/L)

GWC-10 background:5/10/2010-10/2/2018

GWC-13 background:5/9/2010-10/3/2018

GWC-19 background:5/11/2010-10/2/2018

Calcium, total (mg/L)

GWC-8A background:4/19/2016-10/4/2018

Chromium, Total (mg/L)

GWC-10 background:5/10/2010-10/2/2018

Lead, Total (mg/L)

All Wells:4/6/2016-9/15/2020

Sulfate as SO4 (mg/L)

GWC-10 background:4/13/2016-10/2/2018

# Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Barium, Total (mg/L)	GWC-10	2.76	Yes	Mann-W
Barium, Total (mg/L)	GWC-12	2.694	Yes	Mann-W
Barium, Total (mg/L)	GWC-13	2.768	Yes	Mann-W
Barium, Total (mg/L)	GWC-19	2.773	Yes	Mann-W
Beryllium, Total (mg/L)	GWC-7	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Chromium, Total (mg/L)	GWC-10	2.766	Yes	Mann-W
Chromium, Total (mg/L)	GWC-3	-2.597	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-16 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-17 (bg)	-2.691	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-18	-4.462	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-19	-3.67	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-20	-3.362	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-3	-3.048	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-4	-3.17	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-5	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-7	-3.639	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-9	-3.67	Yes	Mann-W
Copper (mg/L)	GWC-18	-2.685	Yes	Mann-W
Nickel (mg/L)	GWA-15 (bg)	-3.698	Yes	Mann-W
Nickel (mg/L)	GWC-1	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-11	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-12	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-13	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-18	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-19	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-20	-3.372	Yes	Mann-W
Nickel (mg/L)	GWC-3	-3.087	Yes	Mann-W
Nickel (mg/L)	GWC-5	-3.202	Yes	Mann-W
Nickel (mg/L)	GWC-6	-3.134	Yes	Mann-W
Nickel (mg/L)	GWC-7	-2.897	Yes	Mann-W
Nickel (mg/L)	GWC-9	-3.311	Yes	Mann-W
Thallium, Total (mg/L)	GWA-15 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-4	-2.6	Yes	Mann-W
Vanadium (mg/L)	GWC-8A	-2.778	Yes	Mann-W
Zinc (mg/L)	GWC-12	-3.34	Yes	Mann-W



# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWA-16 (bg)	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-12	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-18	-1.511	No	Mann-W
Antimony, Total (mg/L)	GWC-19	0.3	No	Mann-W
<b>Antimony, Total (mg/L)</b>	<b>GWC-2</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Antimony, Total (mg/L)	GWC-3	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-7	0.3	No	Mann-W
Barium, Total (mg/L)	GWA-15 (bg)	1.149	No	Mann-W
Barium, Total (mg/L)	GWA-16 (bg)	0.6704	No	Mann-W
Barium, Total (mg/L)	GWA-17 (bg)	0.6978	No	Mann-W
Barium, Total (mg/L)	GWC-1	0.2552	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.76</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-11	1.534	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-12</b>	<b>2.694</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Barium, Total (mg/L)</b>	<b>GWC-13</b>	<b>2.768</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-14	1.782	No	Mann-W
Barium, Total (mg/L)	GWC-18	0.1275	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.773</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-2	1.324	No	Mann-W
Barium, Total (mg/L)	GWC-20	1.373	No	Mann-W
Barium, Total (mg/L)	GWC-3	-2.483	No	Mann-W
Barium, Total (mg/L)	GWC-4	2.096	No	Mann-W
Barium, Total (mg/L)	GWC-5	-0.03167	No	Mann-W
Barium, Total (mg/L)	GWC-6	0.1905	No	Mann-W
Barium, Total (mg/L)	GWC-7	2.318	No	Mann-W
Barium, Total (mg/L)	GWC-8A	-0.4431	No	Mann-W
Barium, Total (mg/L)	GWC-9	-0.5401	No	Mann-W
Beryllium, Total (mg/L)	GWA-17 (bg)	0.3	No	Mann-W
<b>Beryllium, Total (mg/L)</b>	<b>GWC-7</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cadmium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cadmium, Total (mg/L)</b>	<b>GWC-11</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Cadmium, Total (mg/L)	GWC-8A	1.137	No	Mann-W
Chromium, Total (mg/L)	GWA-15 (bg)	1.367	No	Mann-W
Chromium, Total (mg/L)	GWA-16 (bg)	0.6968	No	Mann-W
Chromium, Total (mg/L)	GWA-17 (bg)	1.835	No	Mann-W
Chromium, Total (mg/L)	GWC-1	1.92	No	Mann-W
<b>Chromium, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.766</b>	<b>Yes</b>	<b>Mann-W</b>
Chromium, Total (mg/L)	GWC-11	0.6338	No	Mann-W
Chromium, Total (mg/L)	GWC-12	0	No	Mann-W
Chromium, Total (mg/L)	GWC-13	2.138	No	Mann-W
Chromium, Total (mg/L)	GWC-14	1.435	No	Mann-W
Chromium, Total (mg/L)	GWC-18	0.06618	No	Mann-W
Chromium, Total (mg/L)	GWC-19	1.899	No	Mann-W
Chromium, Total (mg/L)	GWC-2	1.027	No	Mann-W
Chromium, Total (mg/L)	GWC-20	1.014	No	Mann-W
<b>Chromium, Total (mg/L)</b>	<b>GWC-3</b>	<b>-2.597</b>	<b>Yes</b>	<b>Mann-W</b>
Chromium, Total (mg/L)	GWC-4	0.2849	No	Mann-W
Chromium, Total (mg/L)	GWC-5	1.677	No	Mann-W
Chromium, Total (mg/L)	GWC-6	0.6332	No	Mann-W
Chromium, Total (mg/L)	GWC-7	1.046	No	Mann-W
Chromium, Total (mg/L)	GWC-8A	-1.761	No	Mann-W
Chromium, Total (mg/L)	GWC-9	0.1898	No	Mann-W
Cobalt, Total (mg/L)	GWA-15 (bg)	-1.142	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-2.628</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-2.691</b>	<b>Yes</b>	<b>Mann-W</b>

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-1</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-11</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-12	0.6425	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWC-18</b>	<b>-4.462</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-19</b>	<b>-3.67</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-2</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-20</b>	<b>-3.362</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-3</b>	<b>-3.048</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-4</b>	<b>-3.17</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-5</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-6	-1.511	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWC-7</b>	<b>-3.639</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-8A	0.6837	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWC-9</b>	<b>-3.67</b>	<b>Yes</b>	<b>Mann-W</b>
Copper (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWA-17 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWC-11	-1.938	No	Mann-W
Copper (mg/L)	GWC-13	-0.559	No	Mann-W
Copper (mg/L)	GWC-14	-0.559	No	Mann-W
<b>Copper (mg/L)</b>	<b>GWC-18</b>	<b>-2.685</b>	<b>Yes</b>	<b>Mann-W</b>
Copper (mg/L)	GWC-20	-0.5164	No	Mann-W
Copper (mg/L)	GWC-3	-2.528	No	Mann-W
Copper (mg/L)	GWC-4	-1.159	No	Mann-W
Copper (mg/L)	GWC-6	-1.789	No	Mann-W
Copper (mg/L)	GWC-7	-0.5777	No	Mann-W
Copper (mg/L)	GWC-8A	-2.565	No	Mann-W
Copper (mg/L)	GWC-9	-0.7268	No	Mann-W
Lead, Total (mg/L)	GWA-16 (bg)	-1.976	No	Mann-W
Lead, Total (mg/L)	GWA-17 (bg)	-1.853	No	Mann-W
Lead, Total (mg/L)	GWC-1	-1.753	No	Mann-W
Lead, Total (mg/L)	GWC-10	-1.427	No	Mann-W
Lead, Total (mg/L)	GWC-11	0.27	No	Mann-W
Lead, Total (mg/L)	GWC-13	-0.299	No	Mann-W
Lead, Total (mg/L)	GWC-14	-0.6477	No	Mann-W
Lead, Total (mg/L)	GWC-18	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-19	-1.231	No	Mann-W
Lead, Total (mg/L)	GWC-2	-1.978	No	Mann-W
Lead, Total (mg/L)	GWC-20	-1.325	No	Mann-W
Lead, Total (mg/L)	GWC-3	-1.118	No	Mann-W
Lead, Total (mg/L)	GWC-4	-1.928	No	Mann-W
Lead, Total (mg/L)	GWC-5	-1.032	No	Mann-W
Lead, Total (mg/L)	GWC-6	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-7	-1.977	No	Mann-W
Lead, Total (mg/L)	GWC-8A	-1.3	No	Mann-W
Lead, Total (mg/L)	GWC-9	-1.427	No	Mann-W
Mercury (mg/L)	GWA-15 (bg)	0.5037	No	Mann-W
Mercury (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWA-17 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWC-1	0.5037	No	Mann-W
Mercury (mg/L)	GWC-10	0.6579	No	Mann-W
Mercury (mg/L)	GWC-11	0.5037	No	Mann-W
Mercury (mg/L)	GWC-13	0.5037	No	Mann-W
Mercury (mg/L)	GWC-14	0.5037	No	Mann-W
Mercury (mg/L)	GWC-18	0.3	No	Mann-W
Mercury (mg/L)	GWC-19	0.5037	No	Mann-W

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

Constituent	Well	Calc.	0.01	Method
Mercury (mg/L)	GWC-2	0.5037	No	Mann-W
Mercury (mg/L)	GWC-20	0.6579	No	Mann-W
Mercury (mg/L)	GWC-3	0.6582	No	Mann-W
Mercury (mg/L)	GWC-4	0.3	No	Mann-W
Mercury (mg/L)	GWC-5	0.3	No	Mann-W
Mercury (mg/L)	GWC-6	0.6579	No	Mann-W
Mercury (mg/L)	GWC-7	-1.077	No	Mann-W
Mercury (mg/L)	GWC-8A	0.9126	No	Mann-W
Mercury (mg/L)	GWC-9	0.3	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWA-15 (bg)</b>	<b>-3.698</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWA-16 (bg)	-2.294	No	Mann-W
Nickel (mg/L)	GWA-17 (bg)	-0.08076	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-1</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-10	-1.364	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-11</b>	<b>-4.11</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-12</b>	<b>-4.11</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-13</b>	<b>-4.11</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-18</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-19</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-2	-1.313	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-20</b>	<b>-3.372</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-3</b>	<b>-3.087</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-4	-2.236	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-5</b>	<b>-3.202</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-6</b>	<b>-3.134</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-7</b>	<b>-2.897</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-8A	-0.09099	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-9</b>	<b>-3.311</b>	<b>Yes</b>	<b>Mann-W</b>
Selenium, Total (mg/L)	GWA-15 (bg)	0.3	No	Mann-W
Selenium, Total (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWA-17 (bg)	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-1	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-10	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-11	0.1383	No	Mann-W
Selenium, Total (mg/L)	GWC-12	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-14	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-18	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-19	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-2	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWC-3	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-5	-1.542	No	Mann-W
Selenium, Total (mg/L)	GWC-6	0.8002	No	Mann-W
Selenium, Total (mg/L)	GWC-7	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-8A	0.791	No	Mann-W
Selenium, Total (mg/L)	GWC-9	-0.5	No	Mann-W
<b>Thallium, Total (mg/L)</b>	<b>GWA-15 (bg)</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Thallium, Total (mg/L)	GWA-16 (bg)	-1.655	No	Mann-W
<b>Thallium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Thallium, Total (mg/L)</b>	<b>GWC-1</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Thallium, Total (mg/L)</b>	<b>GWC-2</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Thallium, Total (mg/L)</b>	<b>GWC-4</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Thallium, Total (mg/L)	GWC-7	-1.196	No	Mann-W
Vanadium (mg/L)	GWA-15 (bg)	1.254	No	Mann-W
Vanadium (mg/L)	GWA-16 (bg)	1.201	No	Mann-W
Vanadium (mg/L)	GWA-17 (bg)	1.359	No	Mann-W

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Vanadium (mg/L)	GWC-1	1.341	No	Mann-W
Vanadium (mg/L)	GWC-10	1.415	No	Mann-W
Vanadium (mg/L)	GWC-11	1.869	No	Mann-W
Vanadium (mg/L)	GWC-12	1.691	No	Mann-W
Vanadium (mg/L)	GWC-13	-0.04822	No	Mann-W
Vanadium (mg/L)	GWC-14	2.087	No	Mann-W
Vanadium (mg/L)	GWC-18	2.335	No	Mann-W
Vanadium (mg/L)	GWC-19	1.666	No	Mann-W
Vanadium (mg/L)	GWC-2	2.19	No	Mann-W
Vanadium (mg/L)	GWC-20	1.212	No	Mann-W
Vanadium (mg/L)	GWC-3	0.7305	No	Mann-W
Vanadium (mg/L)	GWC-4	0.3489	No	Mann-W
Vanadium (mg/L)	GWC-5	-1.173	No	Mann-W
Vanadium (mg/L)	GWC-6	2.522	No	Mann-W
Vanadium (mg/L)	GWC-7	1.618	No	Mann-W
<b>Vanadium (mg/L)</b>	<b>GWC-8A</b>	<b>-2.778</b>	<b>Yes</b>	<b>Mann-W</b>
Vanadium (mg/L)	GWC-9	1.32	No	Mann-W
Zinc (mg/L)	GWA-15 (bg)	2.124	No	Mann-W
Zinc (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Zinc (mg/L)	GWA-17 (bg)	1.28	No	Mann-W
Zinc (mg/L)	GWC-1	-2.348	No	Mann-W
Zinc (mg/L)	GWC-10	-2.348	No	Mann-W
Zinc (mg/L)	GWC-11	2.271	No	Mann-W
<b>Zinc (mg/L)</b>	<b>GWC-12</b>	<b>-3.34</b>	<b>Yes</b>	<b>Mann-W</b>
Zinc (mg/L)	GWC-13	-0.9271	No	Mann-W
Zinc (mg/L)	GWC-14	-2.348	No	Mann-W
Zinc (mg/L)	GWC-18	2.124	No	Mann-W
Zinc (mg/L)	GWC-19	2.065	No	Mann-W
Zinc (mg/L)	GWC-2	-2.348	No	Mann-W
Zinc (mg/L)	GWC-20	2.124	No	Mann-W
Zinc (mg/L)	GWC-3	1.94	No	Mann-W
Zinc (mg/L)	GWC-4	1.777	No	Mann-W
Zinc (mg/L)	GWC-5	-0.8924	No	Mann-W
Zinc (mg/L)	GWC-6	2.124	No	Mann-W
Zinc (mg/L)	GWC-7	2.124	No	Mann-W
Zinc (mg/L)	GWC-8A	-2.026	No	Mann-W
Zinc (mg/L)	GWC-9	-2.348	No	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-3	-2.877	Yes	Mann-W
Calcium, total (mg/L)	GWC-5	-2.943	Yes	Mann-W
Calcium, total (mg/L)	GWC-8A	2.696	Yes	Mann-W
Chloride, Total (mg/L)	GWC-10	2.713	Yes	Mann-W
Chloride, Total (mg/L)	GWC-18	2.784	Yes	Mann-W
Chloride, Total (mg/L)	GWC-3	-2.97	Yes	Mann-W
Chloride, Total (mg/L)	GWC-5	-2.902	Yes	Mann-W
Fluoride, total (mg/L)	GWA-16 (bg)	-3.502	Yes	Mann-W
Fluoride, total (mg/L)	GWA-17 (bg)	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-11	-2.578	Yes	Mann-W
Fluoride, total (mg/L)	GWC-13	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-18	-2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-19	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-2	-3.113	Yes	Mann-W
Fluoride, total (mg/L)	GWC-20	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-5	-2.876	Yes	Mann-W
Fluoride, total (mg/L)	GWC-6	-3.346	Yes	Mann-W
Fluoride, total (mg/L)	GWC-7	-2.643	Yes	Mann-W
Fluoride, total (mg/L)	GWC-8A	-2.906	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWA-17 (bg)	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-10	2.843	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-13	2.908	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-2.902	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-8A	-2.616	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	-2.938	Yes	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Boron, total (mg/L)	GWA-17 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-5	-1.896	No	Mann-W
Boron, total (mg/L)	GWC-8A	-0.7126	No	Mann-W
Boron, total (mg/L)	GWC-9	-1.9	No	Mann-W
Calcium, total (mg/L)	GWA-15 (bg)	-0.264	No	Mann-W
Calcium, total (mg/L)	GWA-16 (bg)	-0.2015	No	Mann-W
Calcium, total (mg/L)	GWA-17 (bg)	1.896	No	Mann-W
Calcium, total (mg/L)	GWC-1	0.06716	No	Mann-W
Calcium, total (mg/L)	GWC-10	1.919	No	Mann-W
Calcium, total (mg/L)	GWC-11	0.8083	No	Mann-W
Calcium, total (mg/L)	GWC-12	0.3293	No	Mann-W
Calcium, total (mg/L)	GWC-13	1.838	No	Mann-W
Calcium, total (mg/L)	GWC-14	1.181	No	Mann-W
Calcium, total (mg/L)	GWC-18	-0.4007	No	Mann-W
Calcium, total (mg/L)	GWC-19	2.305	No	Mann-W
Calcium, total (mg/L)	GWC-2	0.3368	No	Mann-W
Calcium, total (mg/L)	GWC-20	-0.4045	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-3</b>	<b>-2.877</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-4	0.869	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-5</b>	<b>-2.943</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-6	-1.897	No	Mann-W
Calcium, total (mg/L)	GWC-7	1.318	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>2.696</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-9	-1.968	No	Mann-W
Chloride, Total (mg/L)	GWA-15 (bg)	0.861	No	Mann-W
Chloride, Total (mg/L)	GWA-16 (bg)	-1.406	No	Mann-W
Chloride, Total (mg/L)	GWA-17 (bg)	-1.523	No	Mann-W
Chloride, Total (mg/L)	GWC-1	-0.8555	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.713</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-11	0.5338	No	Mann-W
Chloride, Total (mg/L)	GWC-12	1.819	No	Mann-W
Chloride, Total (mg/L)	GWC-13	1.273	No	Mann-W
Chloride, Total (mg/L)	GWC-14	0	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-18</b>	<b>2.784</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-19	1.013	No	Mann-W
Chloride, Total (mg/L)	GWC-2	-1.461	No	Mann-W
Chloride, Total (mg/L)	GWC-20	0.2649	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-3</b>	<b>-2.97</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-4	1.111	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-5</b>	<b>-2.902</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-6	-0.9203	No	Mann-W
Chloride, Total (mg/L)	GWC-7	2.303	No	Mann-W
Chloride, Total (mg/L)	GWC-8A	0.4257	No	Mann-W
Chloride, Total (mg/L)	GWC-9	-1.908	No	Mann-W
Fluoride, total (mg/L)	GWA-15 (bg)	-0.7724	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-3.502</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-3.031</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-1	-1.13	No	Mann-W
Fluoride, total (mg/L)	GWC-10	-1.252	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-11</b>	<b>-2.578</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-12	-2.262	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-13</b>	<b>-3.031</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-14	-2.262	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-18</b>	<b>-2.597</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-19</b>	<b>-2.765</b>	<b>Yes</b>	<b>Mann-W</b>

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

Constituent	Well	Calc.	0.01	Method
<b>Fluoride, total (mg/L)</b>	<b>GWC-2</b>	<b>-3.113</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-20</b>	<b>-2.765</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-3	-0.9574	No	Mann-W
Fluoride, total (mg/L)	GWC-4	-1.582	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-5</b>	<b>-2.876</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-6</b>	<b>-3.346</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-7</b>	<b>-2.643</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-8A</b>	<b>-2.906</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-9	-1.205	No	Mann-W
pH, Field (S.U.)	GWA-15 (bg)	-0.7134	No	Mann-W
pH, Field (S.U.)	GWA-16 (bg)	-1.011	No	Mann-W
pH, Field (S.U.)	GWA-17 (bg)	1.72	No	Mann-W
pH, Field (S.U.)	GWC-1	1.131	No	Mann-W
pH, Field (S.U.)	GWC-10	1.188	No	Mann-W
pH, Field (S.U.)	GWC-11	0.8835	No	Mann-W
pH, Field (S.U.)	GWC-12	0.5939	No	Mann-W
pH, Field (S.U.)	GWC-13	-1.239	No	Mann-W
pH, Field (S.U.)	GWC-14	1.324	No	Mann-W
pH, Field (S.U.)	GWC-18	0.7123	No	Mann-W
pH, Field (S.U.)	GWC-19	-2.551	No	Mann-W
pH, Field (S.U.)	GWC-2	-0.1897	No	Mann-W
pH, Field (S.U.)	GWC-20	-0.6553	No	Mann-W
pH, Field (S.U.)	GWC-3	1.365	No	Mann-W
pH, Field (S.U.)	GWC-4	1.779	No	Mann-W
pH, Field (S.U.)	GWC-5	1.723	No	Mann-W
pH, Field (S.U.)	GWC-6	1.792	No	Mann-W
pH, Field (S.U.)	GWC-7	1.453	No	Mann-W
pH, Field (S.U.)	GWC-8A	-0.6036	No	Mann-W
pH, Field (S.U.)	GWC-9	1.543	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-15 (bg)	1.487	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-16 (bg)	-1.809	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-3.173</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-1	-0.7416	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>2.843</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-11	-0.7724	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-12	-0.5864	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>2.908</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-14	-1.587	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-18</b>	<b>-3.173</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-19	-0.1103	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-2	-1.323	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-20	-2.538	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-3	-1.769	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-4	-0.3273	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-5</b>	<b>-2.902</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-6	-1.834	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-7	-2.262	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-8A</b>	<b>-2.616</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-9	-1.764	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	-0.1965	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	-1.252	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	0.1308	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-1	0.06768	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-10	1.222	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-11	0	No	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Total Dissolved Solids [TDS] (mg/L)	GWC-12	0.4615	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-13	0.2838	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-14	-0.654	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-18	0.3927	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-19	0.8642	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-2	1.123	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-20	0.4598	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-3	-1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-4	0.929	No	Mann-W
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-5</b>	<b>-2.938</b>	<b>Yes</b>	<b>Mann-W</b>
Total Dissolved Solids [TDS] (mg/L)	GWC-6	-1.987	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-7	-1.058	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	2.557	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-9	-0.7904	No	Mann-W



# Upgradient Wells Trend Tests - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 2:12 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic, Total (mg/L)	GWA-15 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-16 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-17 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-15 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-16 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-17 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP

# Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.01999	n/a	4/5/2021	0.028	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.01	Yes	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (mg/L)	GWA-16	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-12	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-18	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-19	0.002	n/a	4/5/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-2	0.002	n/a	4/1/2021	0.0013J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-3	0.002	n/a	4/6/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-7	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-15	0.01222	n/a	4/1/2021	0.0092J	No	29	1.0e-6	3.3e-7	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-16	0.039	n/a	4/1/2021	0.024	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-17	0.05168	n/a	4/1/2021	0.029	No	29	0.03311	0.007355	3.448	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-1	0.05736	n/a	4/1/2021	0.047	No	29	0.04657	0.004275	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-10	0.03499	n/a	4/1/2021	0.034	No	25	0.02434	0.004121	8	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-11	0.02014	n/a	4/1/2021	0.018	No	29	0.00004282	0.0000015386	897	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-12	0.02024	n/a	4/1/2021	0.018	No	29	0.0002401	0.00006713	6.897	None	x^2	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-13	0.04187	n/a	4/6/2021	0.038	No	25	0.3096	0.01457	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-14	0.01121	n/a	4/1/2021	0.0095J	No	27	8.3e-7	2.3e-7	3.704	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-18	0.04194	n/a	4/1/2021	0.035	No	29	0.0000432	0.00001211	3.448	None	x^3	0.0001937	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>0.01999</b>	<b>n/a</b>	<b>4/5/2021</b>	<b>0.028</b>	<b>Yes</b>	<b>25</b>	<b>9.0e-8</b>	<b>2.7e-8</b>	<b>4</b>	<b>None</b>	<b>x^4</b>	<b>0.0001937</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-2	0.05512	n/a	4/1/2021	0.044	No	29	0.04531	0.003886	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-20	0.03633	n/a	4/5/2021	0.029	No	29	0.00002787	0.00000795	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-3	0.039	n/a	4/6/2021	0.014	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWC-4	0.05318	n/a	4/2/2021	0.047	No	29	0.0383	0.005897	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-5	0.1279	n/a	4/1/2021	0.04	No	29	0.1968	0.06373	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-6	0.06608	n/a	4/5/2021	0.054	No	29	0.05388	0.004831	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-7	0.04238	n/a	4/1/2021	0.036	No	29	0.03227	0.004007	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-8A	0.1198	n/a	4/5/2021	0.045	No	29	0.2032	0.05658	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-9	0.03624	n/a	4/1/2021	0.018	No	29	0.02271	0.005359	3.448	None	No	0.0001937	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-7	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-8A	0.0025	n/a	4/5/2021	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-11	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-2	0.0025	n/a	4/1/2021	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-8A	0.0025	n/a	4/5/2021	0.0003J	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-15	0.0036	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-16	0.008833	n/a	4/1/2021	0.0053	No	29	0.06962	0.009652	3.448	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-17	0.0117	n/a	4/1/2021	0.0082	No	29	0.007027	0.001851	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-1	0.01967	n/a	4/1/2021	0.014	No	29	0.01183	0.003104	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-10	0.02162	n/a	4/1/2021	0.02	No	25	0.01381	0.003022	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-11	0.012	n/a	4/1/2021	0.0078	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-12	0.0036	n/a	4/1/2021	0.0015J	No	29	n/a	n/a	41.38	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-13	0.009035	n/a	4/6/2021	0.0061	No	28	0.06874	0.01036	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-14	0.0038	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWC-18	0.02	n/a	4/1/2021	0.014	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-19	0.01516	n/a	4/5/2021	0.012	No	29	0.009037	0.002426	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-2	0.01406	n/a	4/1/2021	0.0057	No	29	0.009993	0.00161	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-20	0.01426	n/a	4/5/2021	0.008	No	29	0.009105	0.002041	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-3	0.022	n/a	4/6/2021	0.0074	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-4	0.01042	n/a	4/2/2021	0.0052	No	29	0.006141	0.001695	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-5	0.01111	n/a	4/1/2021	0.0058	No	29	-5.492	0.393	3.448	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-6	0.012	n/a	4/5/2021	0.005	No	29	n/a	n/a	6.897	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-7	0.01648	n/a	4/1/2021	0.0091	No	29	-4.614	0.2014	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-8A	0.023	n/a	4/5/2021	0.002ND	No	28	n/a	n/a	39.29	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-9	0.01258	n/a	4/1/2021	0.0018J	No	29	0.007675	0.001942	3.448	None	No	0.0001937	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-15	0.0025	n/a	4/1/2021	0.0024J	No	28	n/a	n/a	53.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-16	0.0025	n/a	4/1/2021	0.00014J	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-1	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-11	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-12	0.00057	n/a	4/1/2021	0.00028J	No	29	n/a	n/a	72.41	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-18	0.0025	n/a	4/1/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-19	0.0025	n/a	4/5/2021	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-2	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-20	0.0025	n/a	4/5/2021	0.0025ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-3	0.00042	n/a	4/6/2021	0.00031J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-4	0.0025	n/a	4/2/2021	0.00026J	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-5	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-6	0.0025	n/a	4/5/2021	0.00015J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-7	0.0004	n/a	4/1/2021	0.00015J	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-8A	0.0046	n/a	4/5/2021	0.0026	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWC-9	0.0025	n/a	4/1/2021	0.00015J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	4/1/2021	0.00074J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	4/6/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-2	0.002	n/a	4/1/2021	0.00069J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	4/5/2021	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	4/6/2021	0.00088J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0039	n/a	4/2/2021	0.0012J	No	24	n/a	n/a	50	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	4/5/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	4/1/2021	0.00094J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.18	n/a	4/5/2021	0.002ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-9	0.0038	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-17	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-11	0.0017	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-13	0.001	n/a	4/6/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-19	0.0015	n/a	4/5/2021	0.00014J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-3	0.001	n/a	4/6/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-8A	0.0012	n/a	4/5/2021	0.00034J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-17	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	4/6/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	4/6/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	4/2/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	6/2/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-7	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	4/1/2021	0.00049J	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.0012	n/a	4/1/2021	0.0004J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	4/1/2021	0.00073J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	4/1/2021	0.0012	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	4/1/2021	0.00065J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	4/1/2021	0.00065J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.0018	n/a	4/6/2021	0.00053J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.001	n/a	4/1/2021	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0018	n/a	4/5/2021	0.00047J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	4/1/2021	0.0022	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.003	n/a	4/5/2021	0.00048J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	4/6/2021	0.0018	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0036	n/a	4/2/2021	0.0012	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	4/1/2021	0.00042J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	4/5/2021	0.00088J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	4/1/2021	0.00036J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	4/5/2021	0.0058	No	22	n/a	n/a	50	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	4/1/2021	0.00058J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-15	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-16	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-17	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-1	0.0053	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-10	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-11	0.005	n/a	4/1/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-12	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-14	0.0052	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-18	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-19	0.005	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-3	0.005	n/a	4/6/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-6	0.007	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-7	0.0053	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-8A	0.005	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-9	0.0065	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-15	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-17	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.00027J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-19	0.001	n/a	4/5/2021	0.00032J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-6	0.001	n/a	4/5/2021	0.0003J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-8A	0.001	n/a	4/5/2021	0.00081J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	4/1/2021	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01241	n/a	4/1/2021	0.0078	No	24	0.007244	0.001978	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWA-17	0.009964	n/a	4/1/2021	0.005	No	24	0.06396	0.01374	16.67	Kaplan-Meier	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-1	0.02568	n/a	4/1/2021	0.019	No	24	0.01527	0.003991	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-10	0.018	n/a	4/1/2021	0.013	No	24	0.01197	0.002311	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.01477	n/a	4/1/2021	0.011	No	24	0.01047	0.001648	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-12	0.0052	n/a	4/1/2021	0.001ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.0062	n/a	4/6/2021	0.0028	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-14	0.0062	n/a	4/1/2021	0.0013	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01191	n/a	4/1/2021	0.0081	No	24	0.1875	0.01567	4.167	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.01075	n/a	4/5/2021	0.0068	No	24	0.007178	0.001371	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.02033	n/a	4/1/2021	0.014	No	24	0.01352	0.00261	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02389	n/a	4/5/2021	0.017	No	24	0.01733	0.002514	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01131	n/a	4/6/2021	0.0075	No	23	0.08012	0.009969	4.348	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01219	n/a	4/2/2021	0.0081	No	24	0.007693	0.001725	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.006806	n/a	4/1/2021	0.0027	No	24	0.003039	0.001444	25	Kaplan-Meier	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01371	n/a	4/5/2021	0.0091	No	24	0.008936	0.001829	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01729	n/a	4/1/2021	0.014	No	24	0.0001713	0.0000489	4.167	None	x^2	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04443	n/a	4/5/2021	0.0023	No	21	0.01412	0.01131	9.524	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02794	n/a	4/1/2021	0.0095	No	24	0.01653	0.004374	4.167	None	No	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.006	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0084	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.018	n/a	4/1/2021	0.0034J	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0085	n/a	4/6/2021	0.004J	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0077	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.0059	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-2</b>	<b>0.005</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>0.01</b>	<b>Yes</b>	<b>24</b>	<b>n/a</b>	<b>n/a</b>	<b>95.83</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003124</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc (mg/L)	GWC-20	0.0065	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.0069	n/a	4/6/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.006	n/a	4/2/2021	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	4/1/2021	0.005ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0062	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.0074	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.085	n/a	4/5/2021	0.005ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

# Appendix I Interwell Prediction Limits - Intrawell Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

# Appendix I Interwell Prediction Limits - Intrawell Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.051	n/a	4/5/2021	0.028	No	90	n/a	n/a	2.222	n/a	n/a	0.0002346	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2



# Appendix I Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004574	-177	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.001135	-170	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0002759	158	146	Yes	30	3.333	n/a	n/a	0.01	NP

# Appendix I Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-15 (bg)	0	-26	-146	No	30	3.333	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.0004574</b>	<b>-177</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.001135</b>	<b>-170</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>3.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>0.0002759</b>	<b>158</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>3.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Selenium, Total (mg/L)	GWA-15 (bg)	0	-11	-146	No	30	96.67	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-16 (bg)	0	-16	-146	No	30	90	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-17 (bg)	0	-3	-146	No	30	93.33	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWC-5	0.0004765	83	146	No	30	40	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0	18	111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-16 (bg)	0	-18	-111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-17 (bg)	0	19	111	No	25	88	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-2	0	5	111	No	25	92	n/a	n/a	0.01	NP

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	45.47	n/a	4/5/2021	52	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.3	n/a	4/1/2021	7	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	4.3	n/a	4/1/2021	4.4	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14	3.365	n/a	4/1/2021	3.8	Yes	15	2.894	0.1784	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.435	n/a	6/1/2021	2.6	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2.5	n/a	4/1/2021	2.9	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.518	6.229	6/1/2021	6.18	Yes	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-2	7	6.35	4/1/2021	7.32	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-9	6.922	6.294	4/1/2021	6.28	Yes	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.475	n/a	4/1/2021	2.7	Yes	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1.2	n/a	6/1/2021	1.9	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	0.99	n/a	4/1/2021	1.1	Yes	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	6/1/2021	1.4	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-17	0.08	n/a	4/1/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	4/1/2021	0.053J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	4/6/2021	0.056J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	4/6/2021	0.078J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6172	n/a	4/1/2021	0.23	No	15	0.3445	0.1034	6.667	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	4/5/2021	0.042J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3262	n/a	4/5/2021	0.18	No	14	0.1846	0.05242	0	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-9	0.1305	n/a	4/1/2021	0.059J	No	15	0.08718	0.0164	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-15	5.463	n/a	4/1/2021	4	No	15	4.215	0.4731	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-16	14.38	n/a	4/1/2021	12	No	15	11.59	1.055	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-17	8.711	n/a	4/1/2021	7.8	No	15	6.639	0.7855	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-1	20.62	n/a	4/1/2021	18	No	15	17.13	1.326	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	21.64	n/a	4/1/2021	19	No	15	16.8	1.835	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	15.09	n/a	4/1/2021	13	No	15	12.69	0.9098	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	1.581	n/a	4/1/2021	1.2	No	15	1.095	0.184	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	9.036	n/a	4/6/2021	7.4	No	15	1.862	0.08384	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14	7.744	n/a	4/1/2021	6.2	No	15	6.446	0.4921	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-18	12.05	n/a	4/1/2021	11	No	15	10.29	0.6675	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-19	15.99	n/a	4/5/2021	15	No	15	11.46	1.718	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-2	20.61	n/a	4/1/2021	17	No	15	17.31	1.248	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-20	16.02	n/a	4/5/2021	14	No	15	13.43	0.9796	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-3	11.1	n/a	4/6/2021	7.4	No	15	7.961	1.19	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-4	16.56	n/a	4/2/2021	15	No	15	12.47	1.553	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	222.5	n/a	4/1/2021	40	No	15	107.3	43.67	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6	21.67	n/a	4/5/2021	16	No	15	17.82	1.459	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7	16.33	n/a	4/1/2021	15	No	15	14.12	0.8377	0	None	No	0.0004426	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>45.47</b>	<b>n/a</b>	<b>4/5/2021</b>	<b>52</b>	<b>Yes</b>	<b>10</b>	<b>25.9</b>	<b>6.402</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWC-9	19.78	n/a	4/1/2021	16	No	15	17.05	1.037	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-15</b>	<b>6.3</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>7</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride, Total (mg/L)	GWA-16	2.089	n/a	4/1/2021	1.8	No	15	1.646	0.1678	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-17	2.117	n/a	4/1/2021	1.5	No	15	1.566	0.2089	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-1	4.775	n/a	4/1/2021	4.2	No	15	3.841	0.354	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>4.3</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>4.4</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride, Total (mg/L)	GWC-11	2.109	n/a	4/1/2021	1.9	No	15	1.772	0.1278	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-12	2.15	n/a	4/1/2021	2	No	15	1.753	0.1506	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-13	1.976	n/a	4/6/2021	1.8	No	15	1.548	0.1621	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-14</b>	<b>3.365</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>3.8</b>	<b>Yes</b>	<b>15</b>	<b>2.894</b>	<b>0.1784</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWC-18	2.9	n/a	4/1/2021	2.8	No	15	2.515	0.1457	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.435</b>	<b>n/a</b>	<b>6/1/2021</b>	<b>2.6</b>	<b>Yes</b>	<b>15</b>	<b>1.338</b>	<b>0.08444</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWC-2	2.66	n/a	4/1/2021	2.5	No	15	2.123	0.2035	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-20	2.425	n/a	6/1/2021	2.1	No	15	7.311	2.638	6.667	None	x^3	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-3	4.015	n/a	4/6/2021	2.9	No	15	3.176	0.3181	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-4	15.93	n/a	4/2/2021	11	No	15	7.238	3.295	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-5	100	n/a	4/1/2021	18	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Chloride, Total (mg/L)	GWC-6	9.041	n/a	6/2/2021	6.3	No	14	6.021	1.119	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-7</b>	<b>2.5</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>2.9</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride, Total (mg/L)	GWC-8A	10.77	n/a	6/1/2021	9.4	No	14	2.006	0.1373	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-9	4.39	n/a	4/1/2021	4.3	No	15	3.523	0.3286	0	None	No	0.0004426	Param Intra 1 of 2



# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-20</b>	<b>1</b>	<b>n/a</b>	<b>6/1/2021</b>	<b>1.4</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>86.67</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	4/6/2021	1ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.288	n/a	4/2/2021	4.6	No	15	2.937	1.27	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	490	n/a	4/1/2021	100	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	17.41	n/a	6/2/2021	13	No	15	10.19	2.735	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	55.93	n/a	6/1/2021	17	No	14	30.76	9.32	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	16.91	n/a	4/1/2021	9.7	No	15	9.857	2.672	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	76.79	n/a	4/1/2021	55	No	15	35.07	15.82	13.33	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	153.2	n/a	4/1/2021	100	No	15	93.67	22.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	132.7	n/a	4/1/2021	68	No	15	66.53	25.08	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	164.7	n/a	4/1/2021	120	No	15	131.1	12.73	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.4	n/a	4/1/2021	140	No	14	127.6	19.55	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	293	n/a	4/1/2021	90	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	94.94	n/a	4/1/2021	17	No	15	4.249	2.083	26.67	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	119.3	n/a	4/6/2021	55	No	14	58.14	22.64	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	103	n/a	4/1/2021	43	No	15	55	18.21	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	120.6	n/a	4/1/2021	62	No	15	84.33	13.75	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	164.4	n/a	6/1/2021	130	No	15	90.33	28.07	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	192.3	n/a	4/1/2021	120	No	15	116.2	28.83	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	146.1	n/a	6/1/2021	120	No	15	102.9	16.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	112.1	n/a	4/6/2021	81	No	15	79.13	12.48	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	166.6	n/a	4/2/2021	150	No	15	116.9	18.84	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1654	n/a	4/1/2021	260	No	15	823.3	314.8	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	183.8	n/a	6/2/2021	140	No	15	144.8	14.77	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	155.6	n/a	4/1/2021	110	No	15	116.4	14.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	404	n/a	6/1/2021	340	No	13	14.63	1.981	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	205.7	n/a	4/1/2021	120	No	15	20532	8252	0	None	x^2	0.0004426	Param Intra 1 of 2

# Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	14	n/a	4/5/2021	52	Yes	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-2	6.52	5.27	4/1/2021	7.32	Yes	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2

# Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>14</b>	<b>n/a</b>	<b>4/5/2021</b>	<b>52</b>	<b>Yes</b>	<b>48</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007865</b>	<b>NP Inter 1 of 2</b>
Chloride, Total (mg/L)	GWC-10	7	n/a	4/1/2021	4.4	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-14	7	n/a	4/1/2021	3.8	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-19	7	n/a	6/1/2021	2.6	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-7	7	n/a	4/1/2021	2.9	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-19	6.52	5.27	6/1/2021	6.18	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-2</b>	<b>6.52</b>	<b>5.27</b>	<b>4/1/2021</b>	<b>7.32</b>	<b>Yes</b>	<b>57</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.001141</b>	<b>NP Inter 1 of 2</b>
pH, Field (S.U.)	GWC-9	6.52	5.27	4/1/2021	6.28	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	3.1	n/a	4/1/2021	2.7	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	3.1	n/a	6/1/2021	1.9	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	3.1	n/a	4/1/2021	1.1	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	3.1	n/a	6/1/2021	1.4	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2



# Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:59 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-8A	9.193	88	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1006	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.271	98	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3785	103	58	Yes	16	18.75	n/a	n/a	0.01	NP

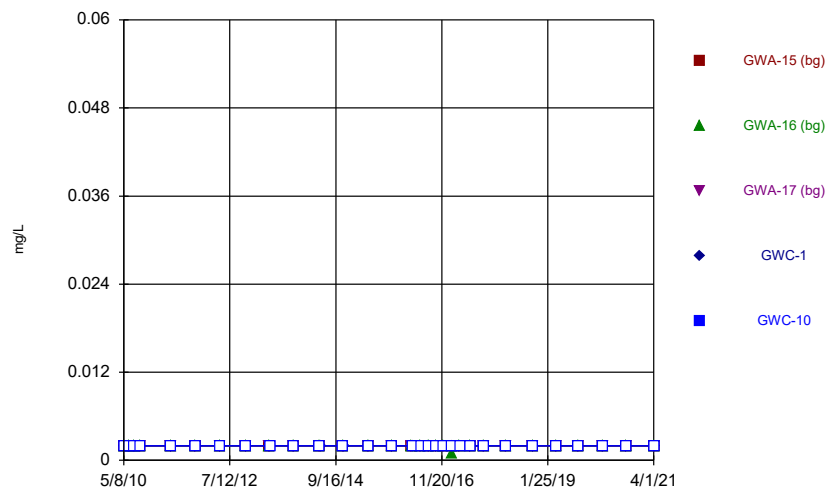
# Appendix III Trend Tests - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/24/2021, 10:59 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWA-15 (bg)	0	2	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	1	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.21	43	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>9.193</b>	<b>88</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-15 (bg)	0.1125	39	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.0718	-45	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.1006</b>	<b>-61</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>0.271</b>	<b>98</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWC-14	0	3	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	0	5	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0.03647	33	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-15 (bg)	-0.0286	-61	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-16 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-17 (bg)	0.04076	69	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.01609	-52	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-2	-0.02613	-26	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-9	0.03008	31	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0.1912	36	58	No	16	50	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-11	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-28	-58	No	16	81.25	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>0.3785</b>	<b>103</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>18.75</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate as SO4 (mg/L)	GWC-19	0	16	58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-2	0	4	58	No	16	62.5	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-20	0	-4	-58	No	16	81.25	n/a	n/a	0.01	NP

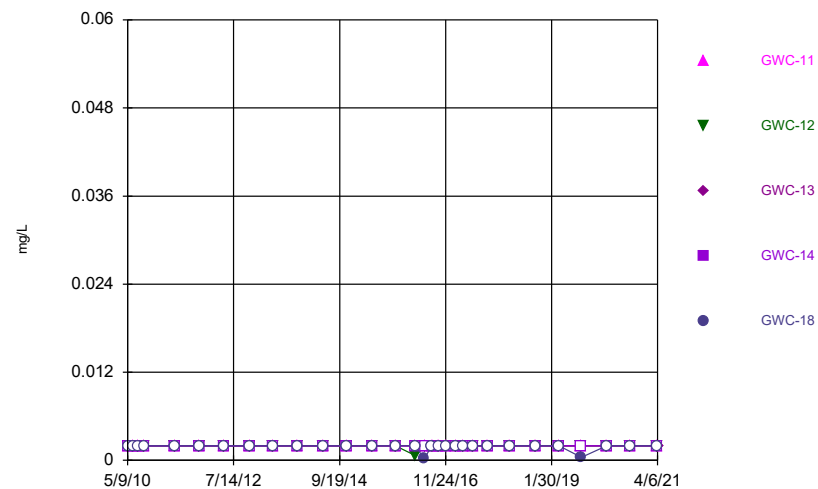
FIGURE A.

### Time Series



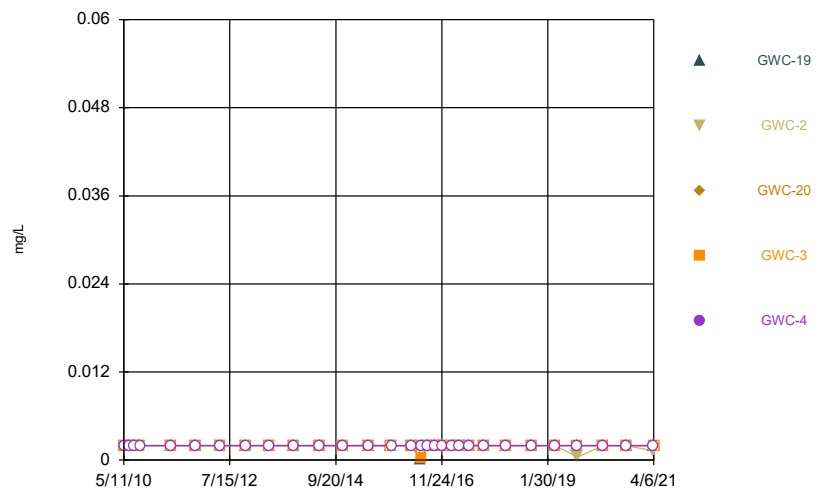
Constituent: Antimony, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



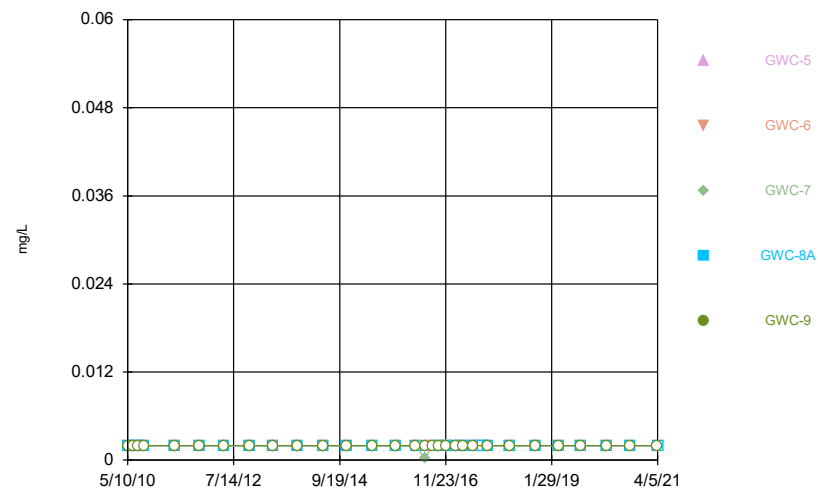
Constituent: Antimony, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



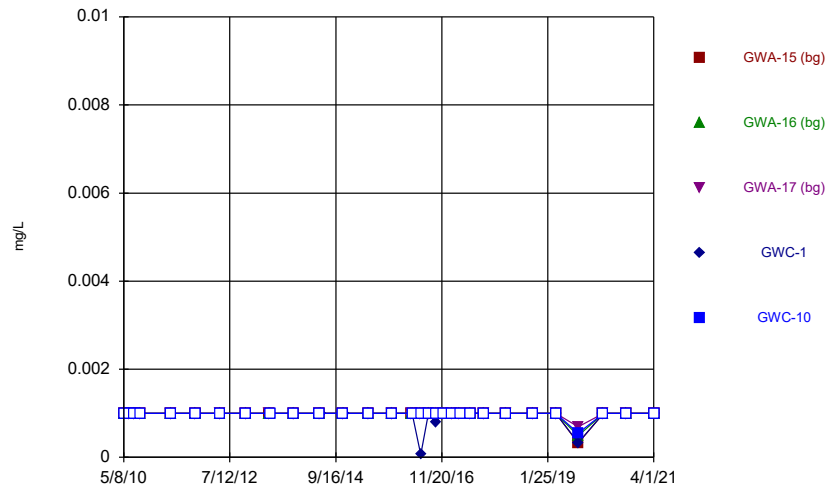
Constituent: Antimony, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



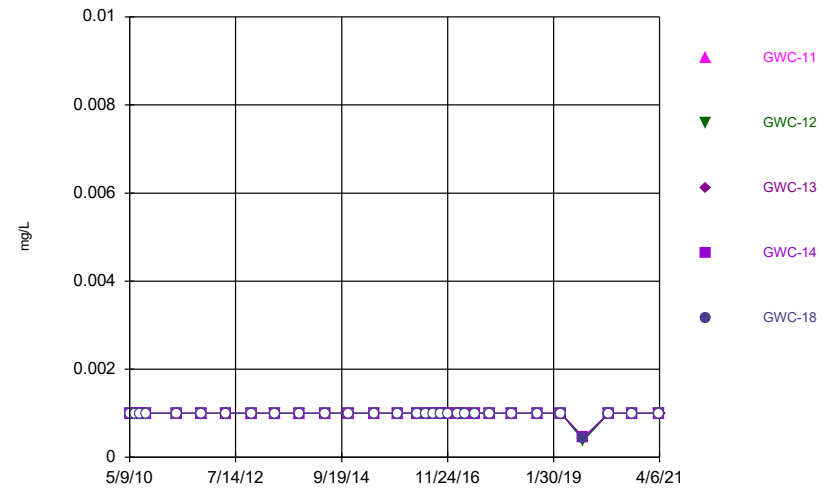
Constituent: Antimony, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



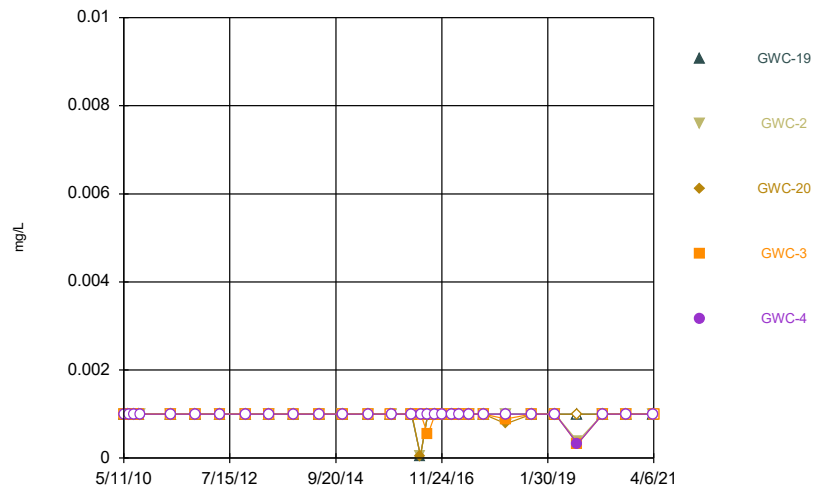
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



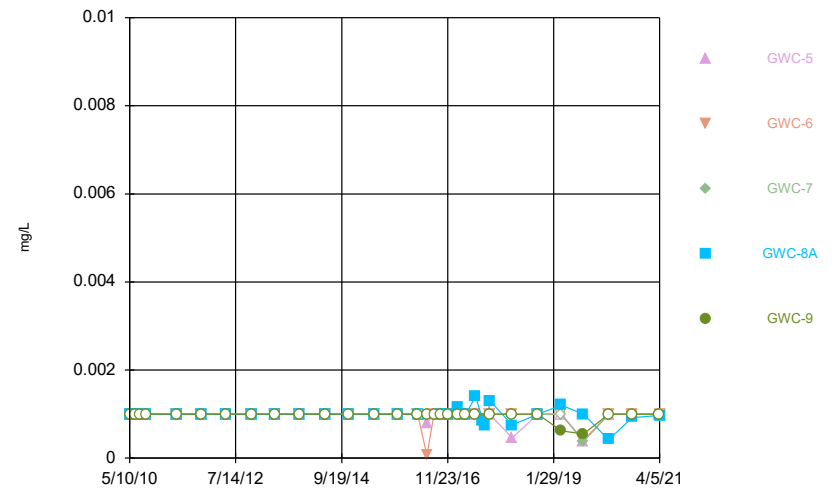
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



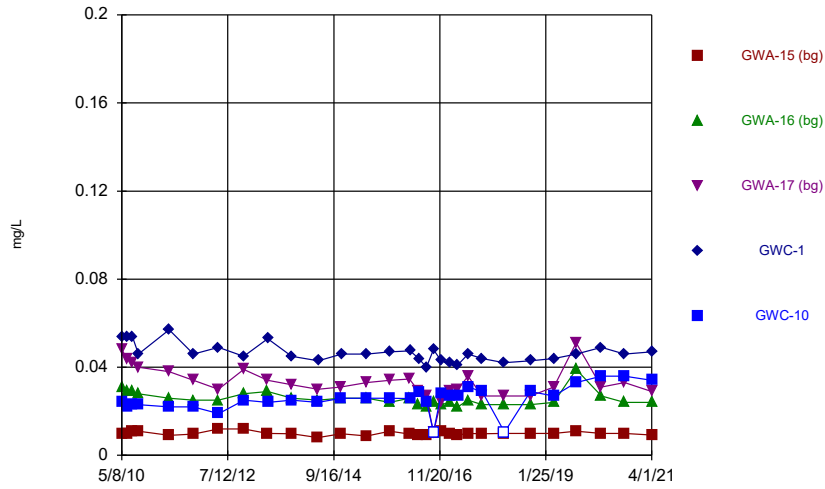
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



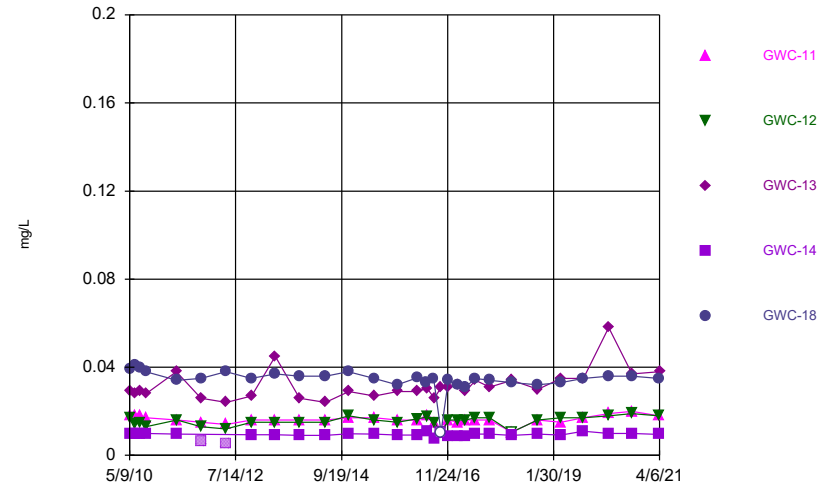
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



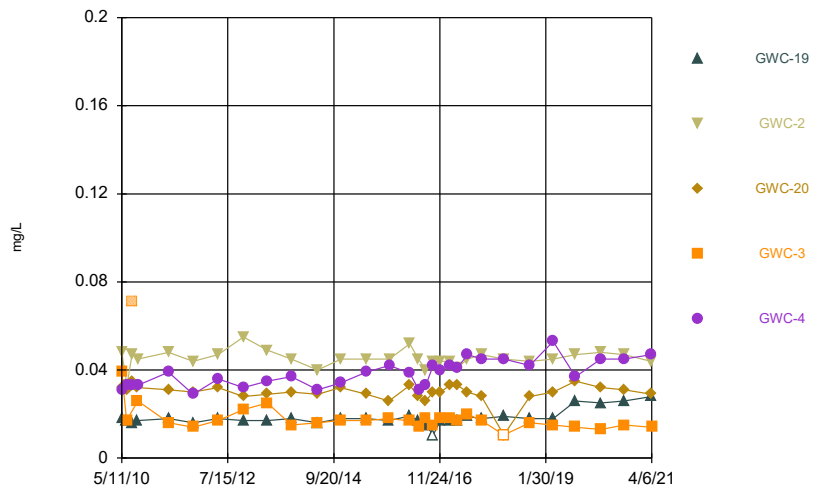
Constituent: Barium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



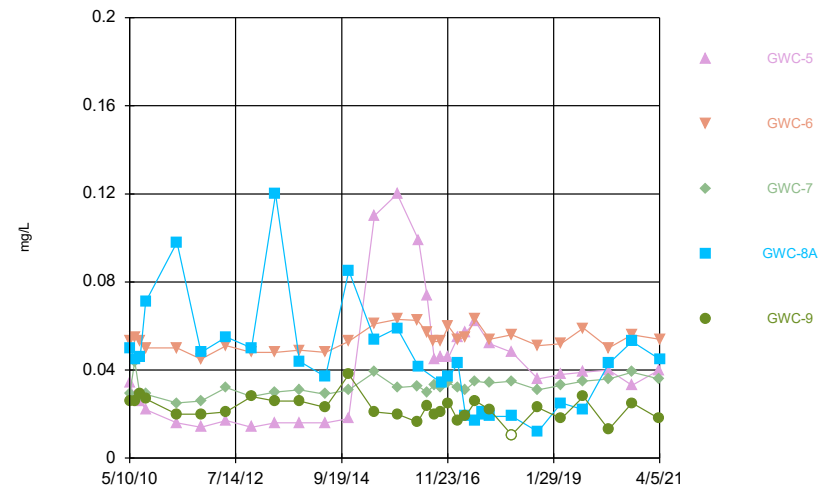
Constituent: Barium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



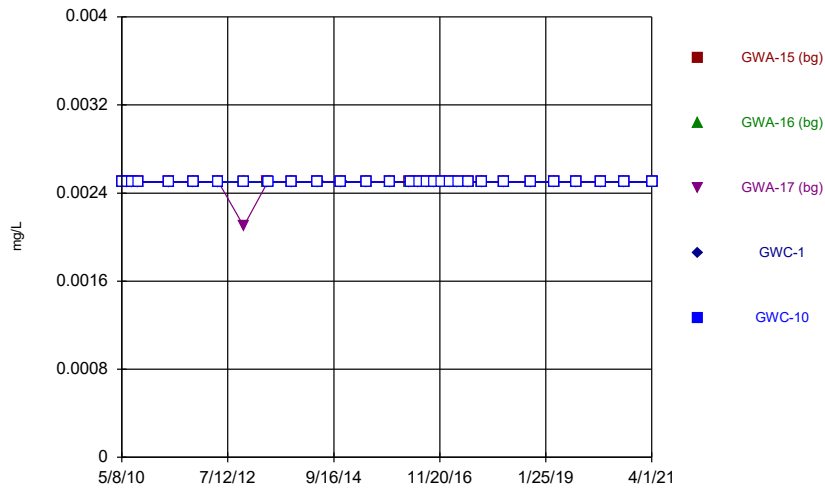
Constituent: Barium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



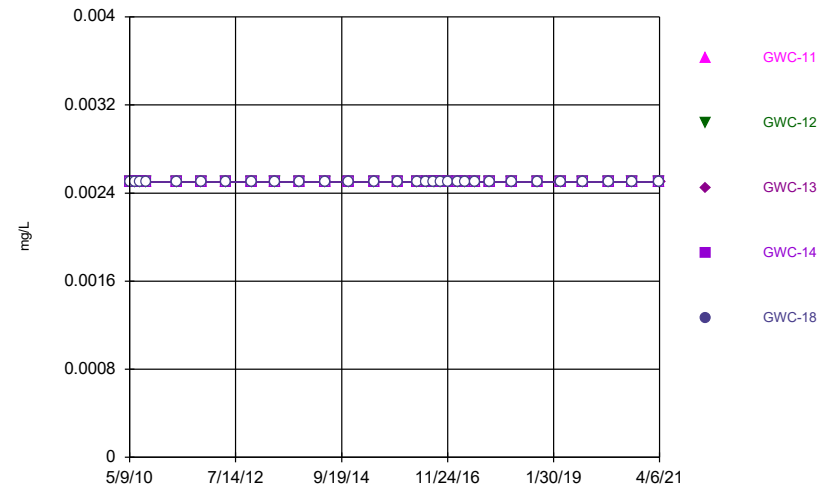
Constituent: Barium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



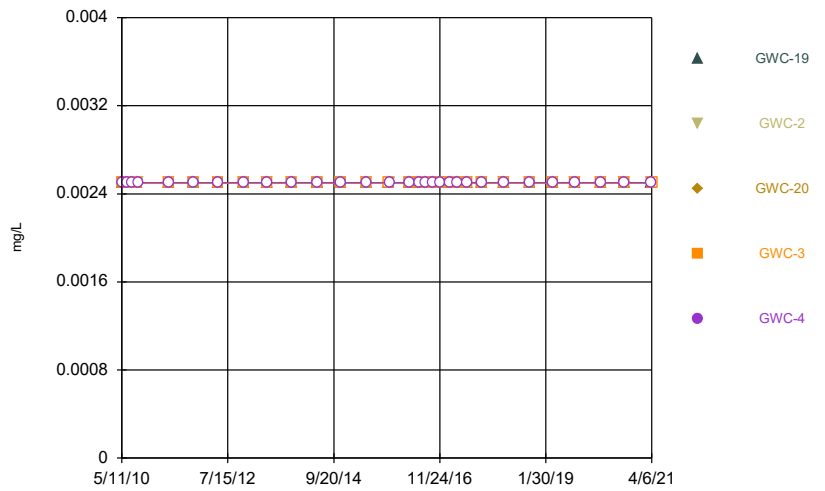
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



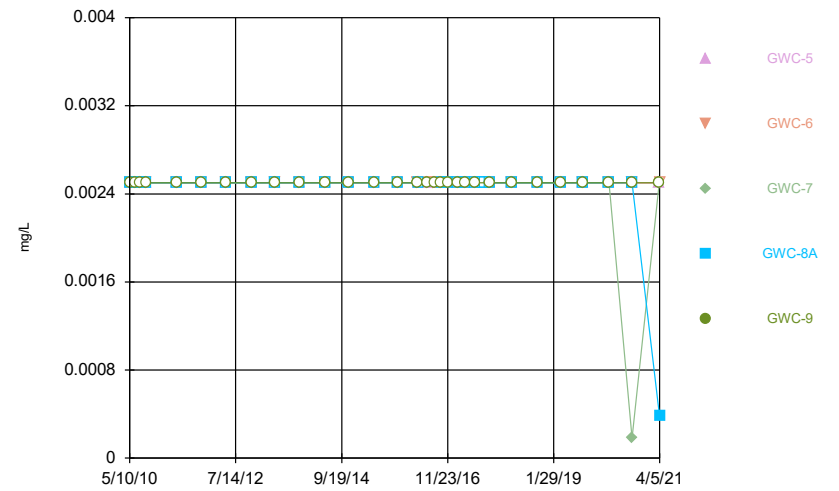
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



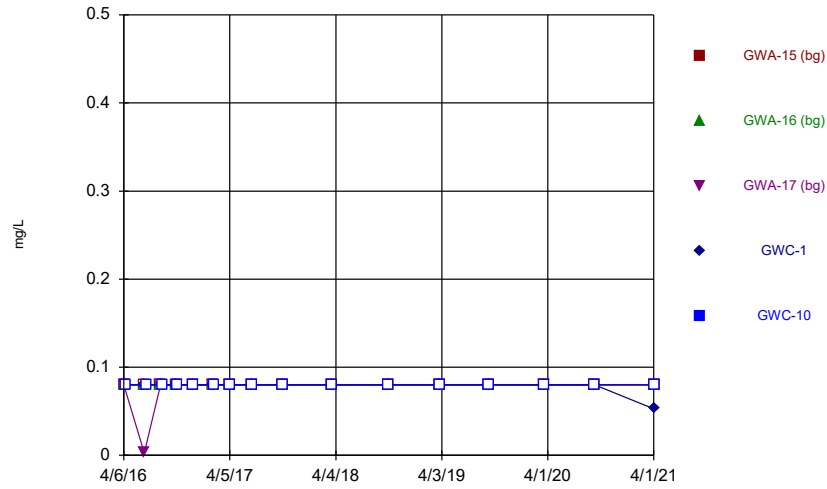
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



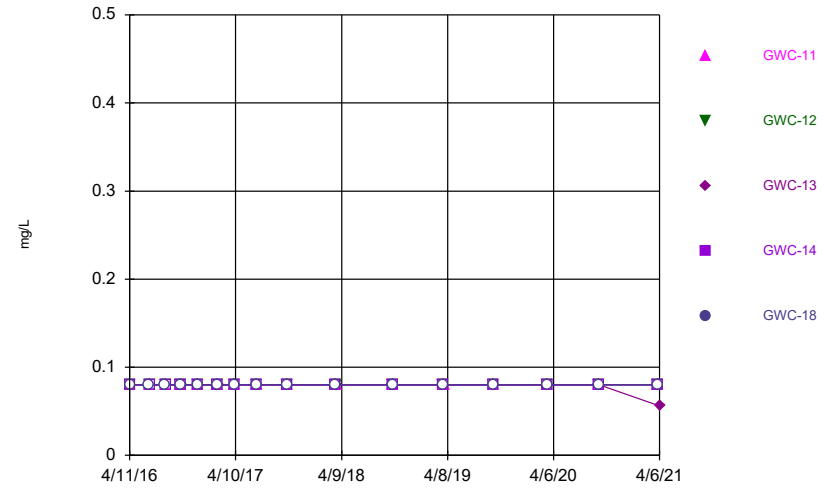
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



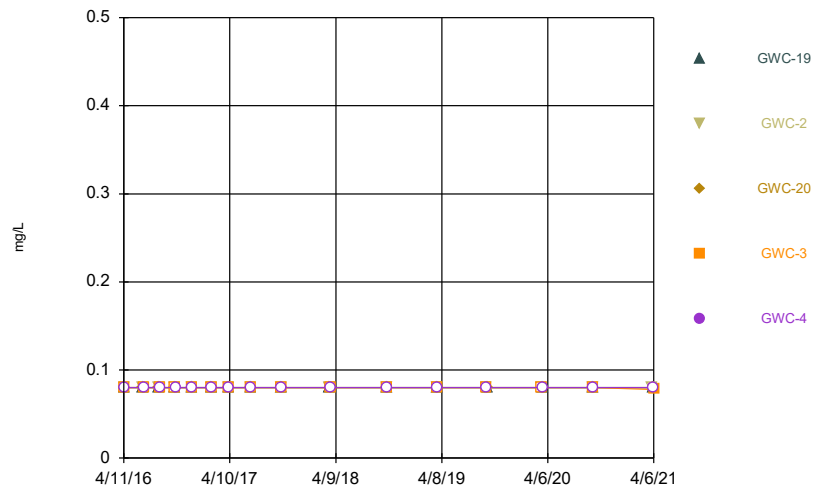
Constituent: Boron, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



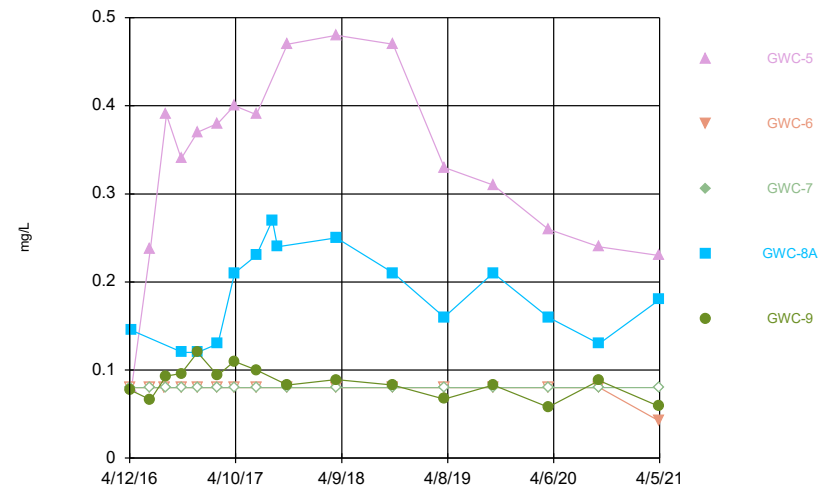
Constituent: Boron, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



Constituent: Boron, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

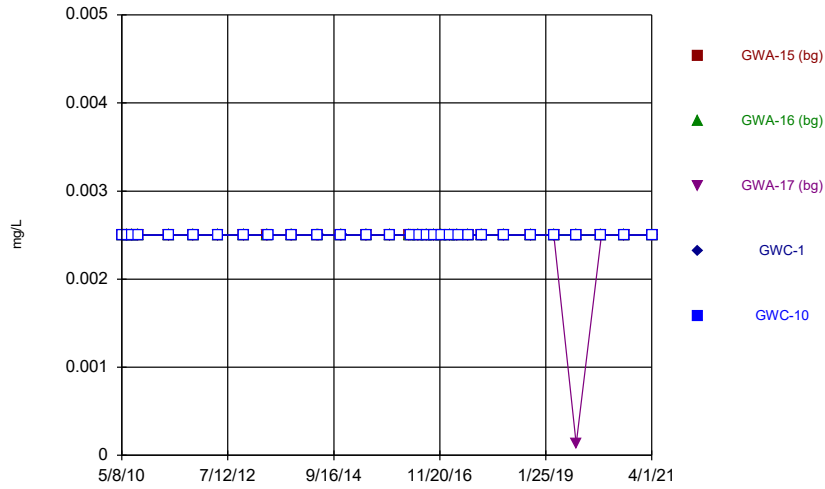
Time Series



Constituent: Boron, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

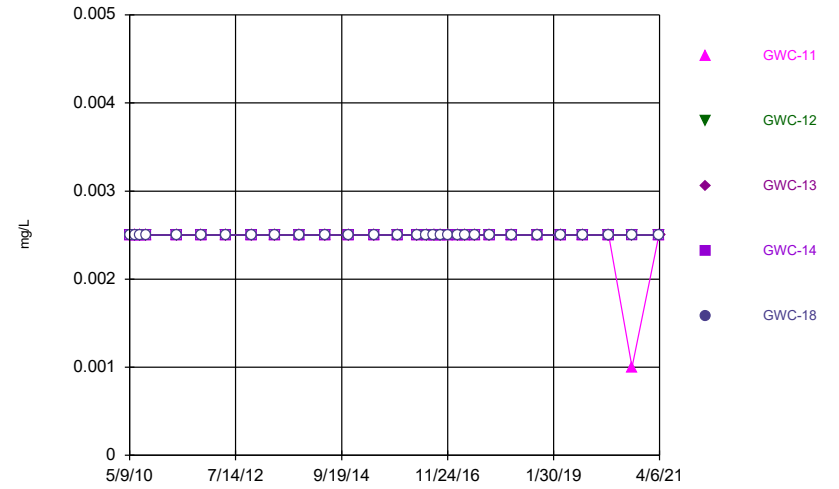


Time Series



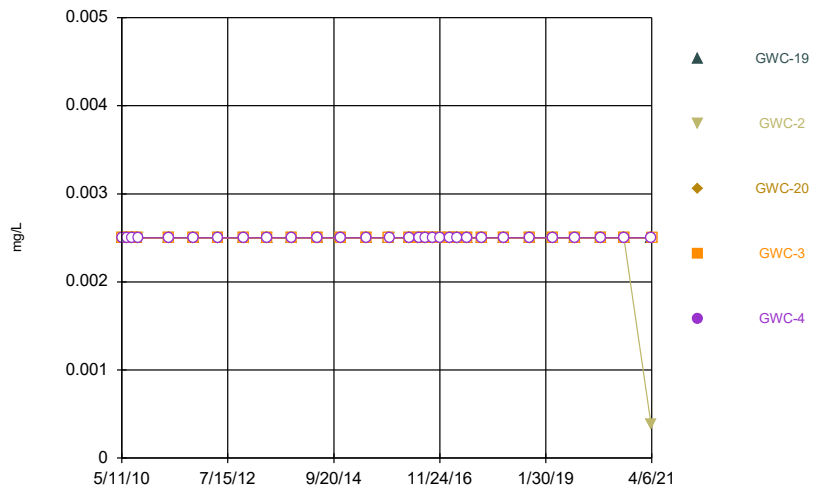
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



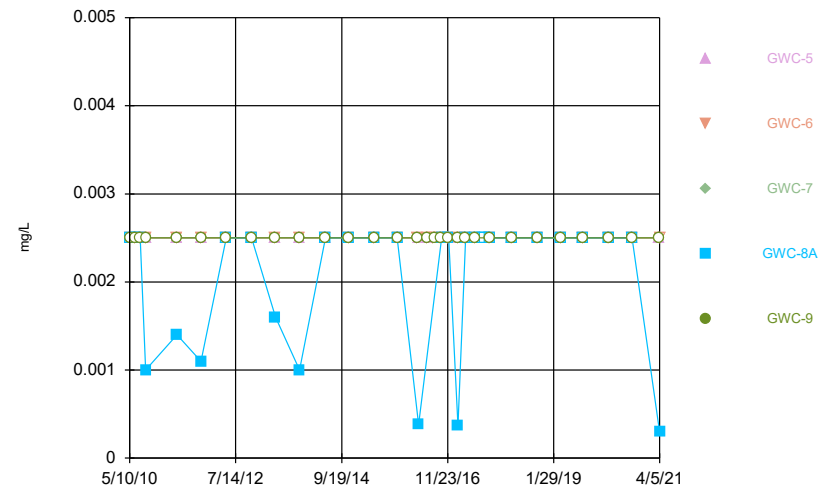
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



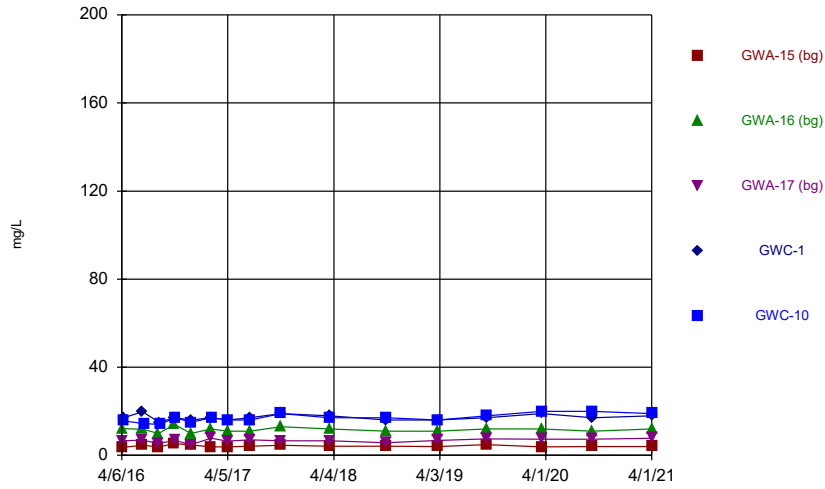
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



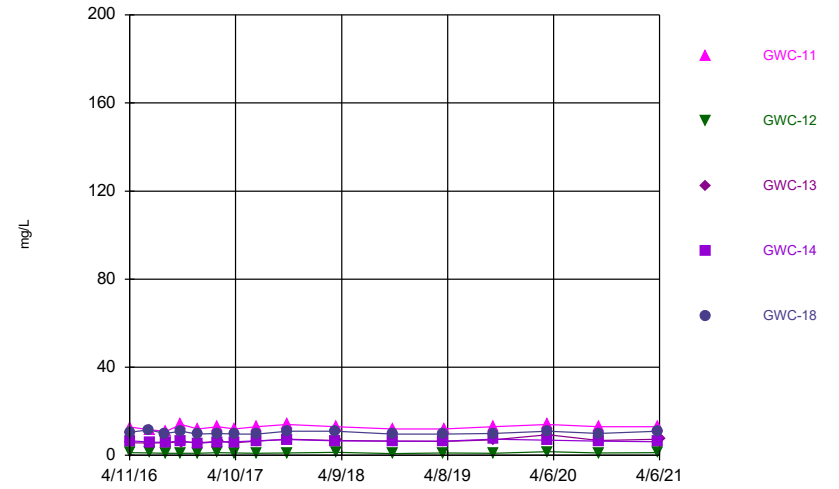
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



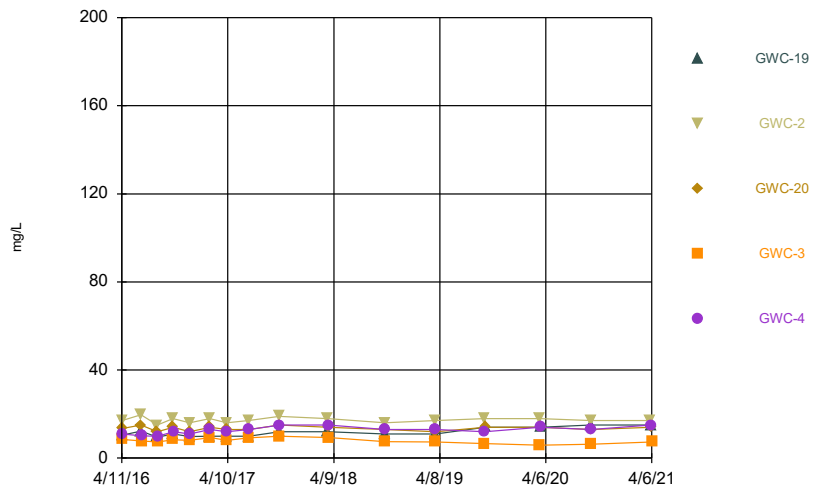
Constituent: Calcium, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



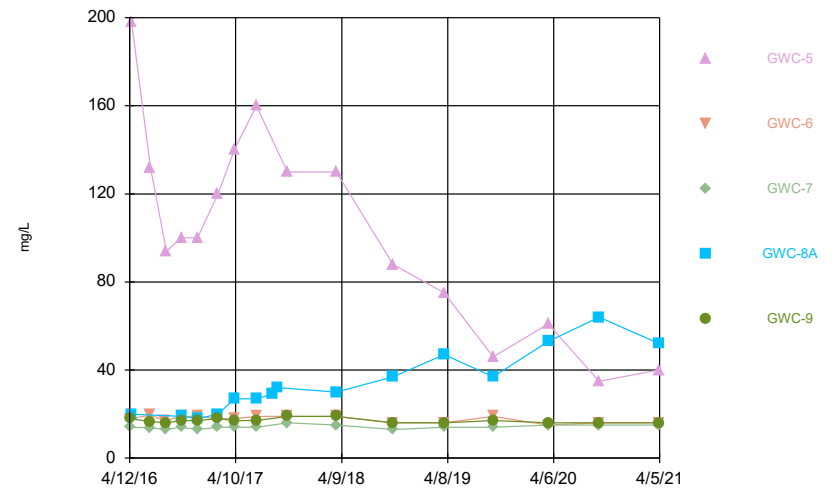
Constituent: Calcium, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



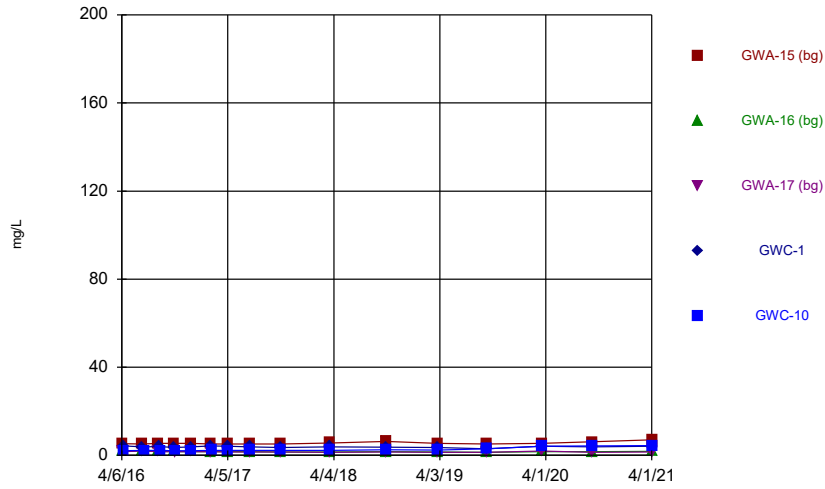
Constituent: Calcium, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



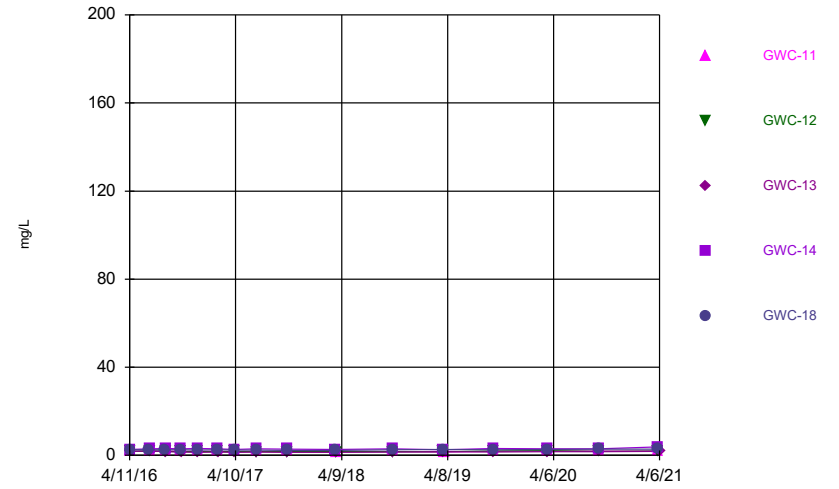
Constituent: Calcium, total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



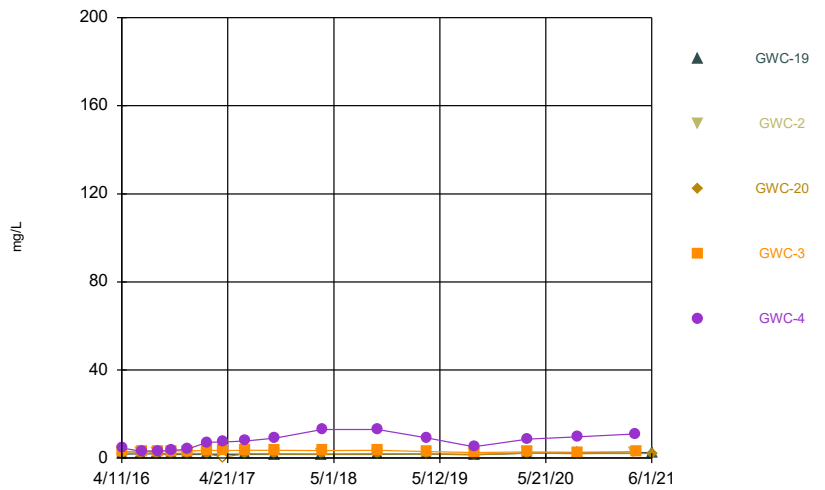
Constituent: Chloride, Total Analysis Run 6/24/2021 10:02 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



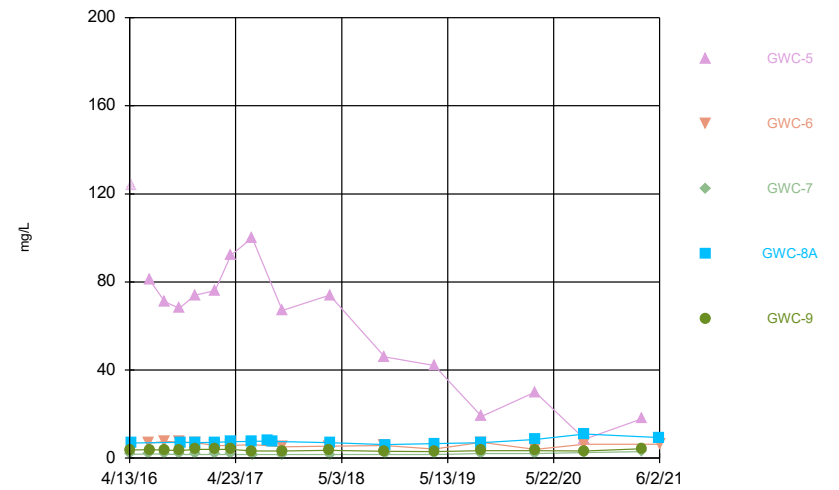
Constituent: Chloride, Total Analysis Run 6/24/2021 10:02 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



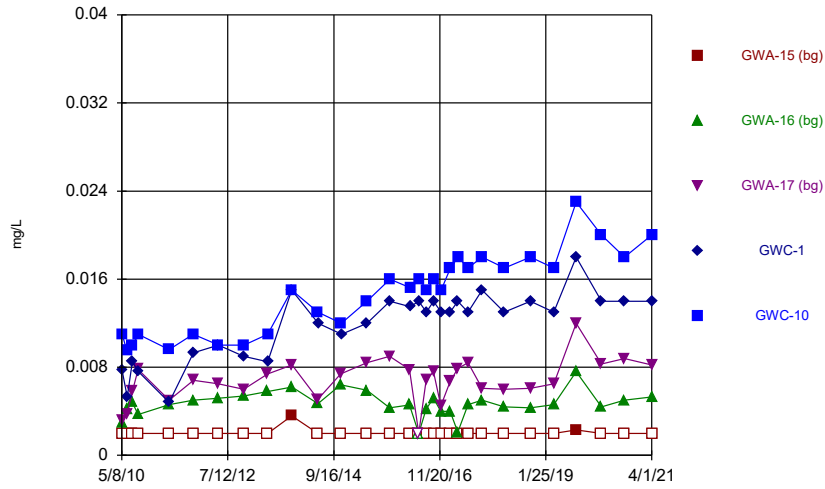
Constituent: Chloride, Total Analysis Run 6/24/2021 10:02 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



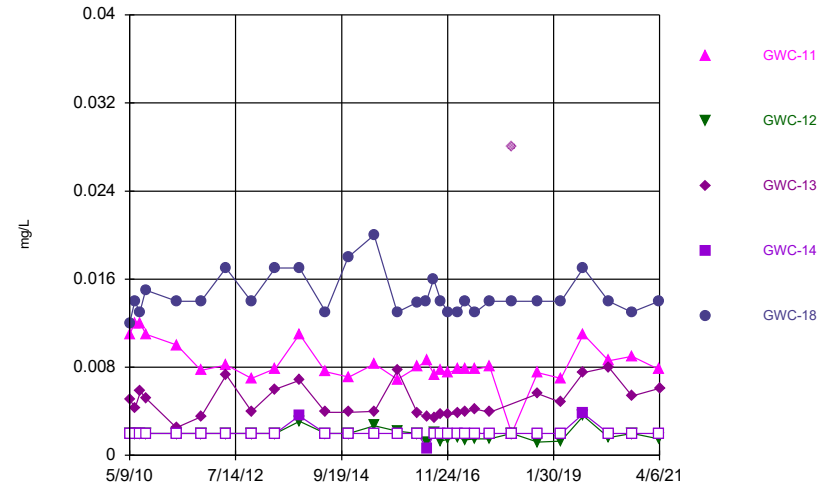
Constituent: Chloride, Total Analysis Run 6/24/2021 10:02 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



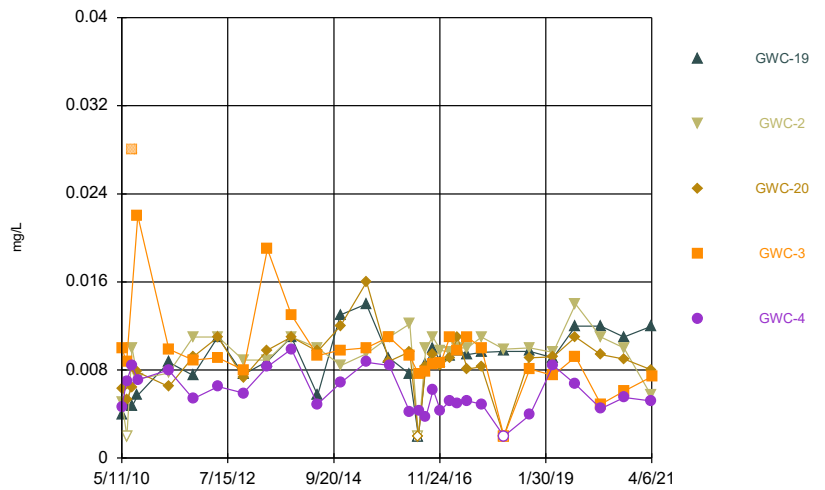
Constituent: Chromium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



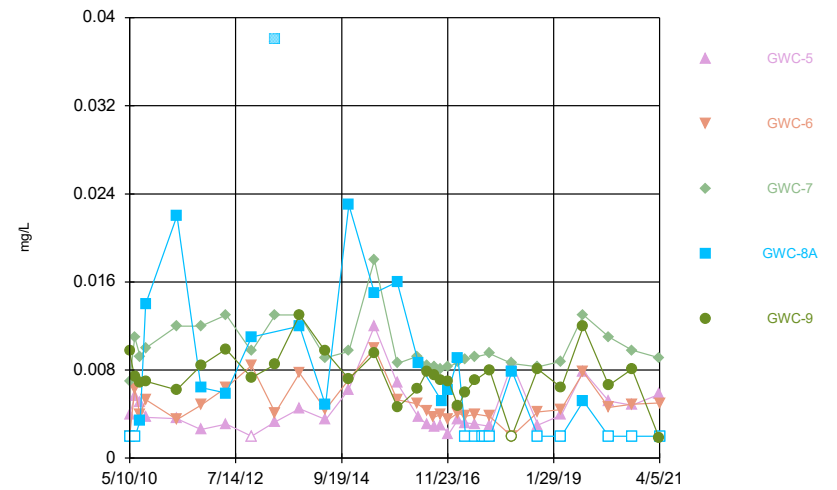
Constituent: Chromium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



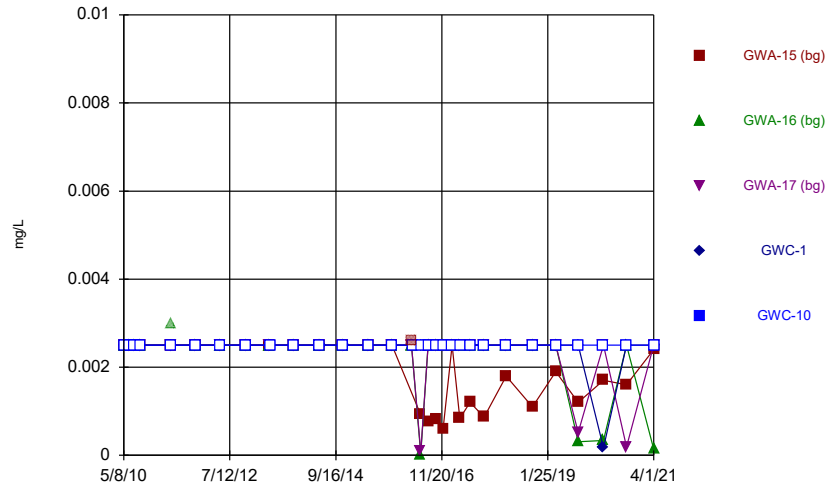
Constituent: Chromium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



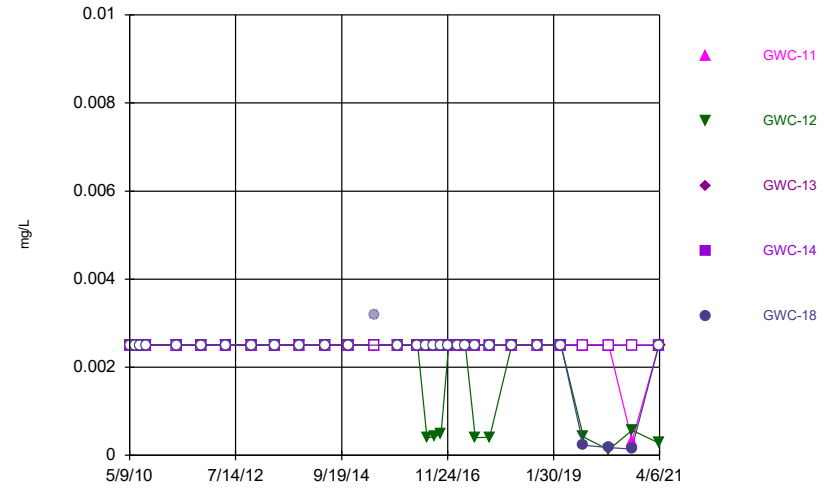
Constituent: Chromium, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



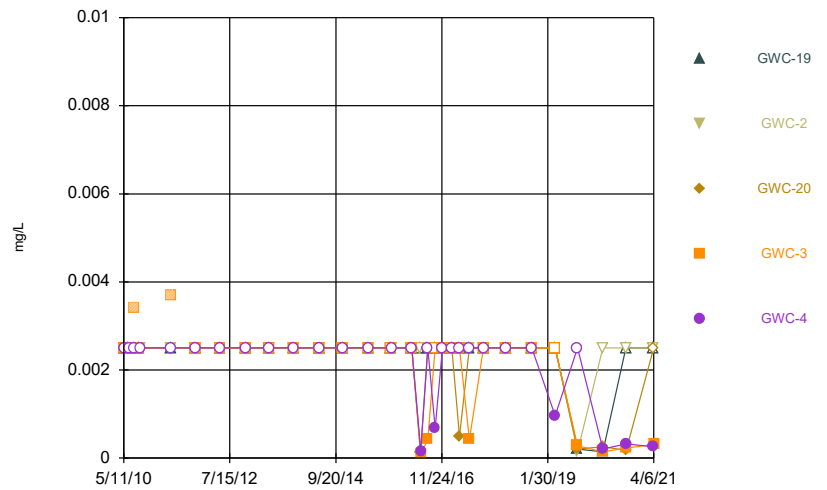
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



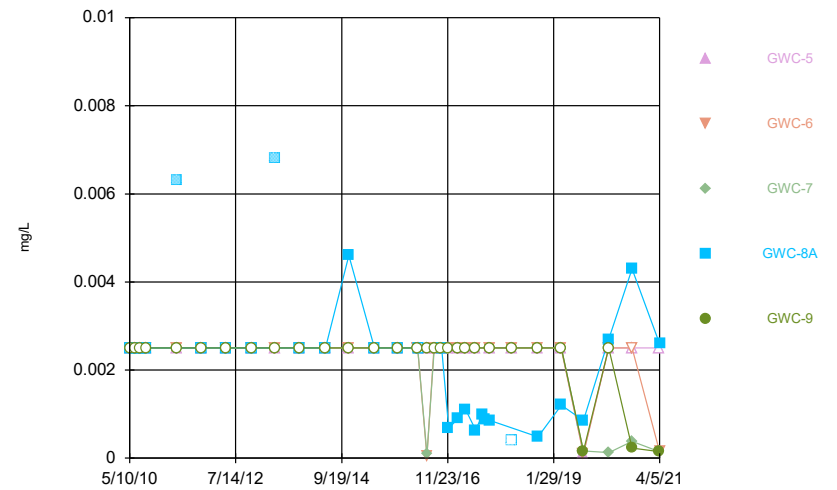
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



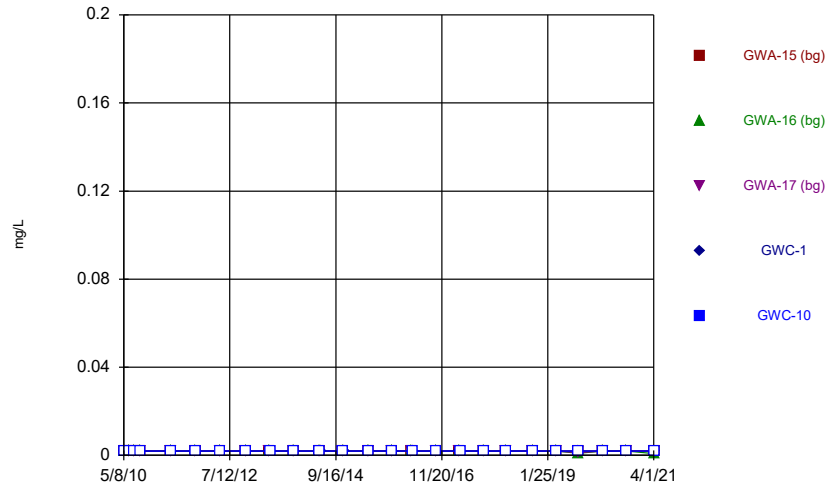
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



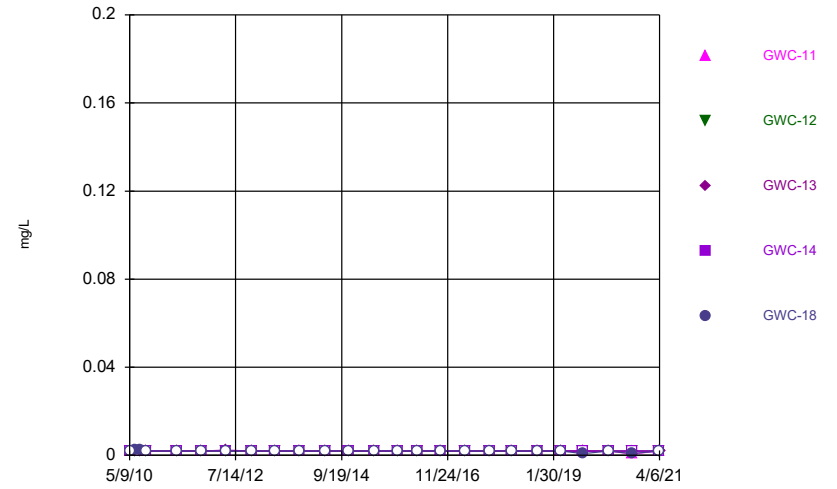
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



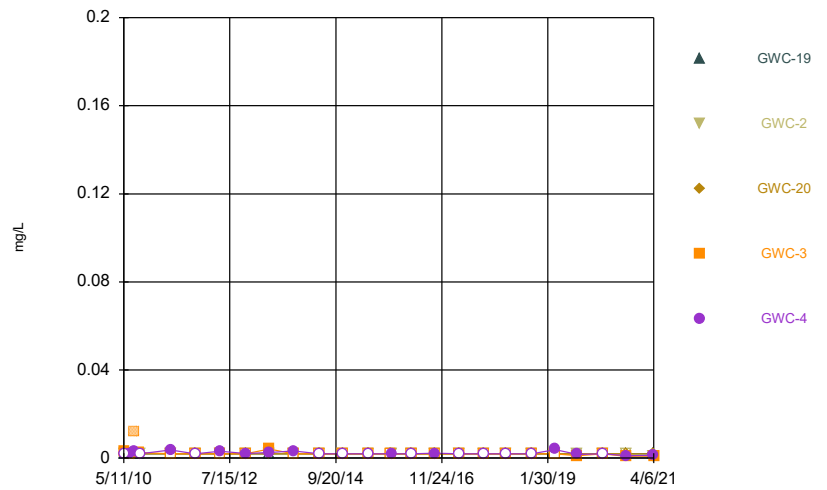
Constituent: Copper Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



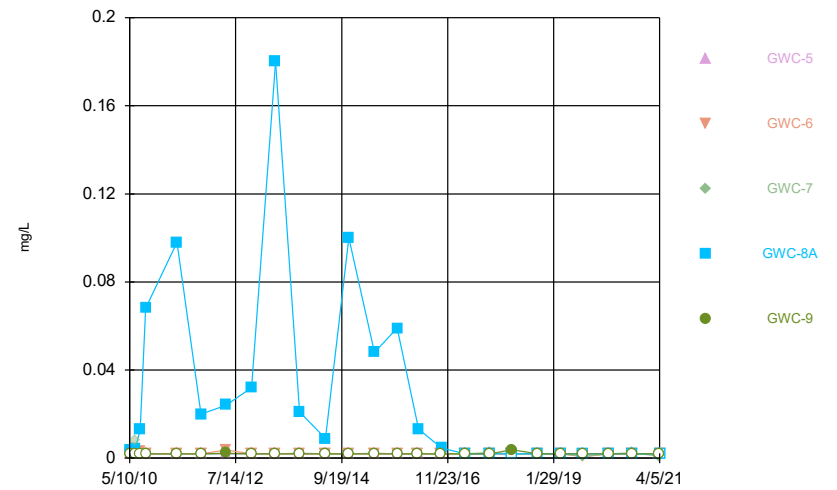
Constituent: Copper Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



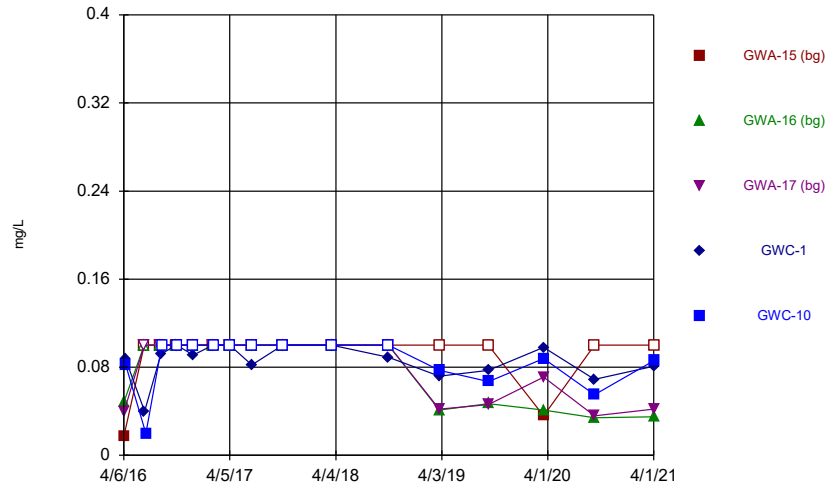
Constituent: Copper Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series

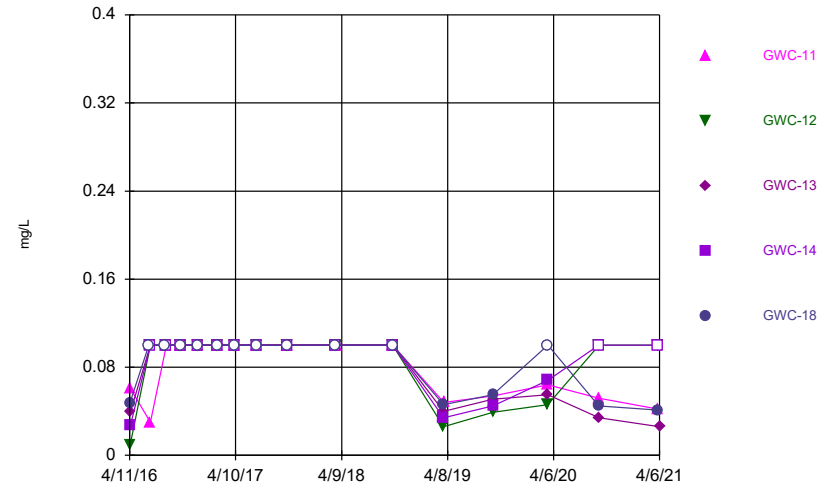


Constituent: Copper Analysis Run 6/24/2021 10:02 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

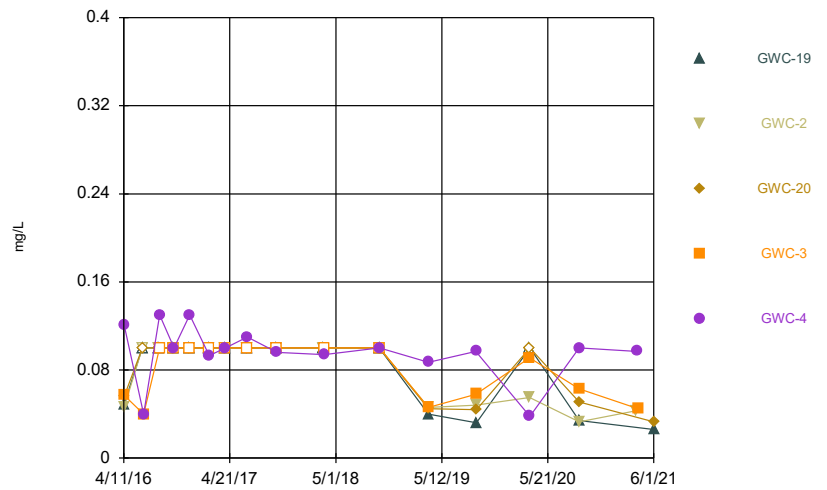
### Time Series



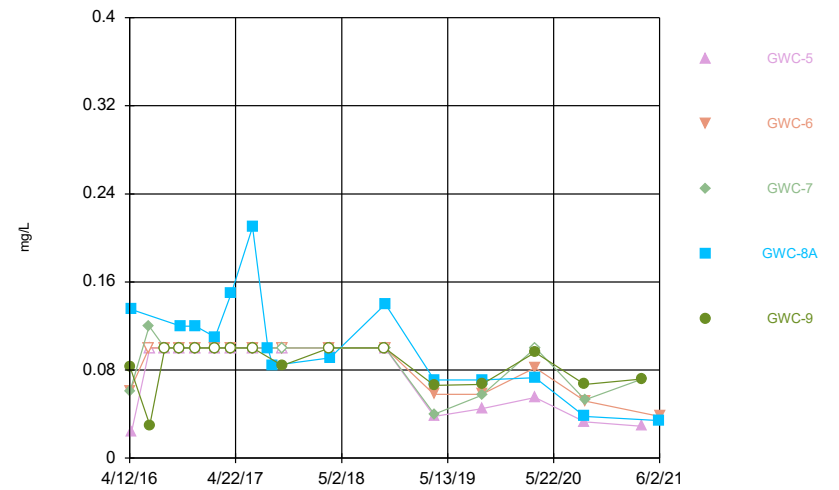
### Time Series



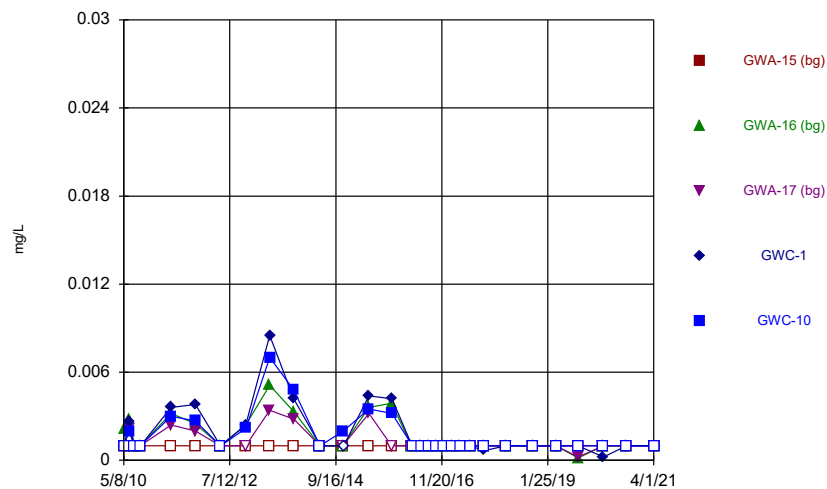
### Time Series



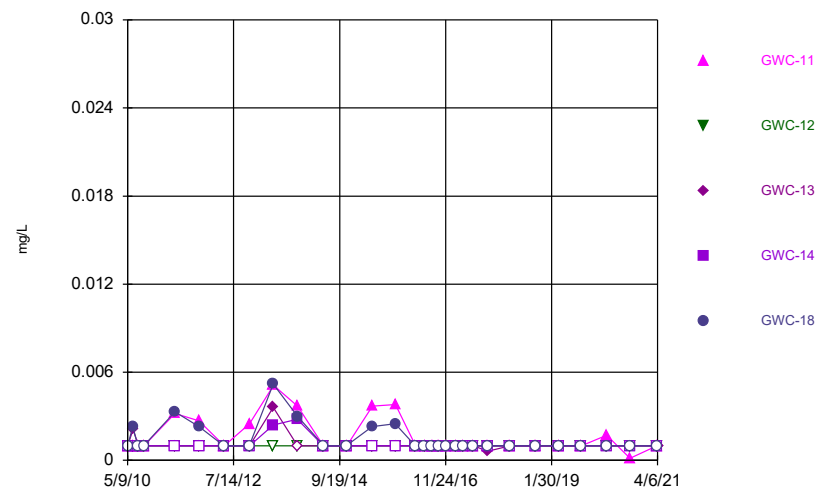
### Time Series



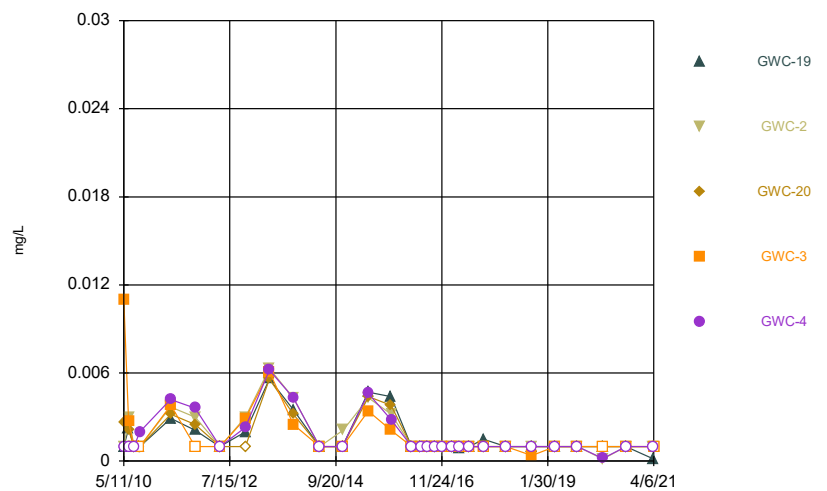
### Time Series



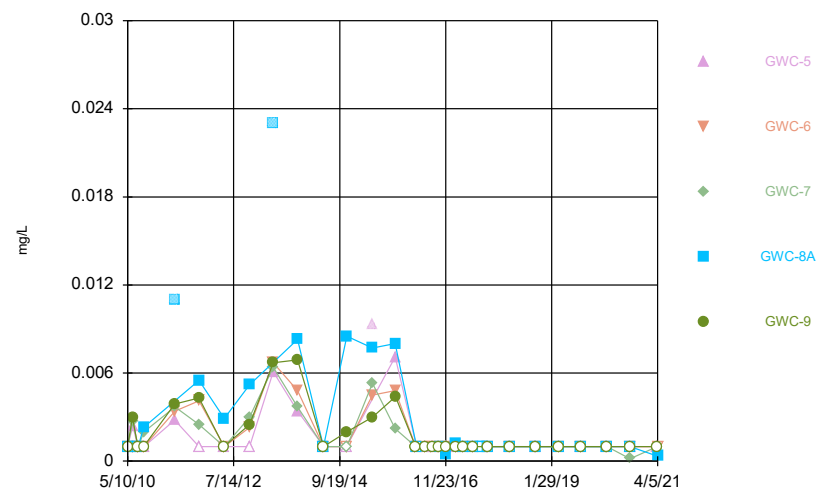
### Time Series



### Time Series

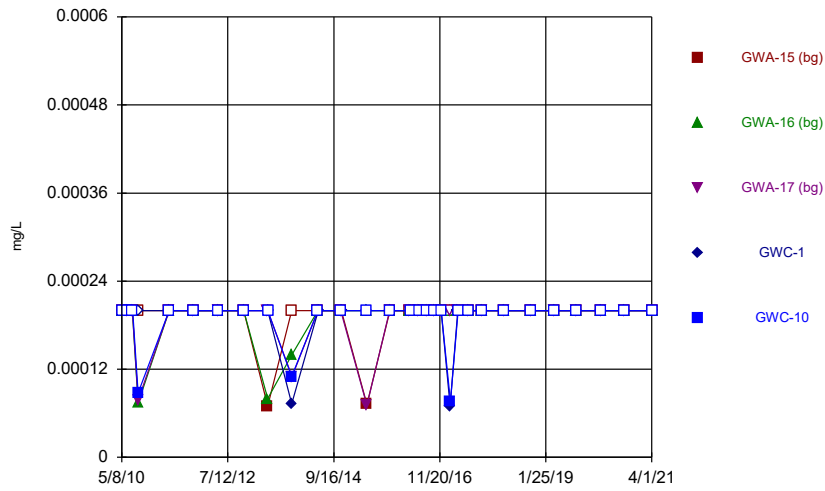


### Time Series



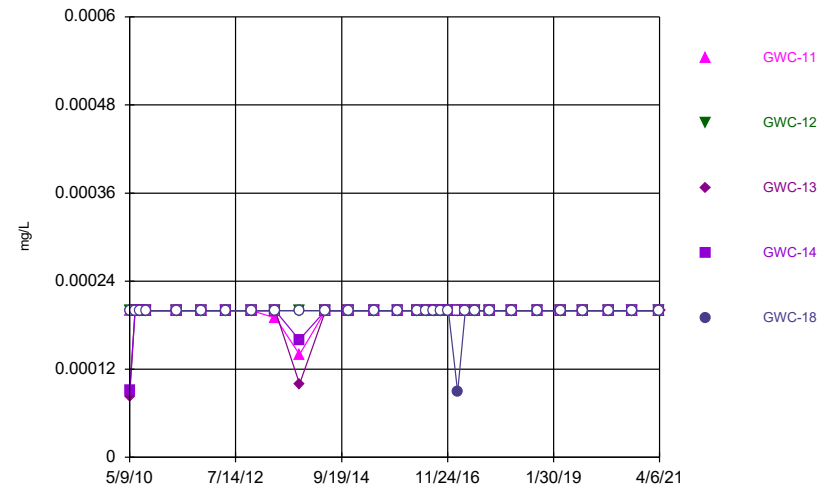


### Time Series



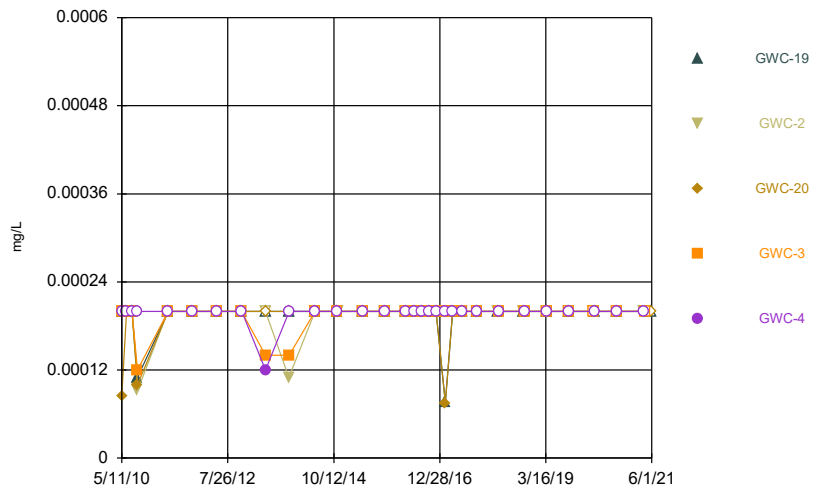
Constituent: Mercury Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



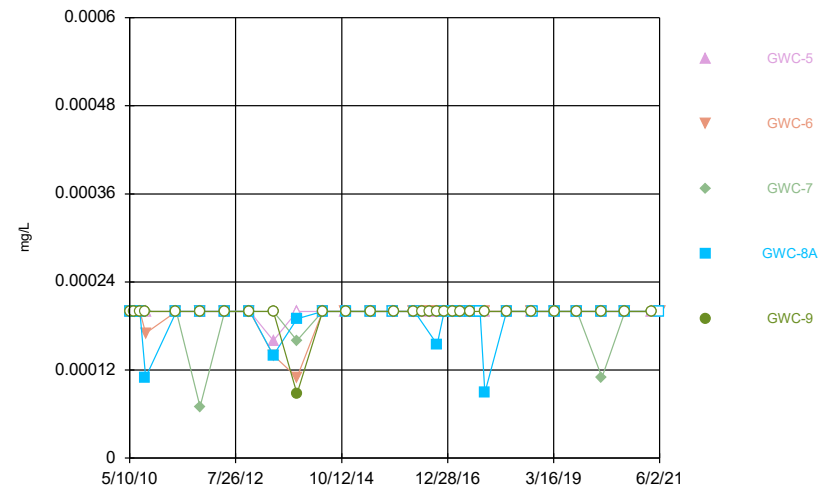
Constituent: Mercury Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



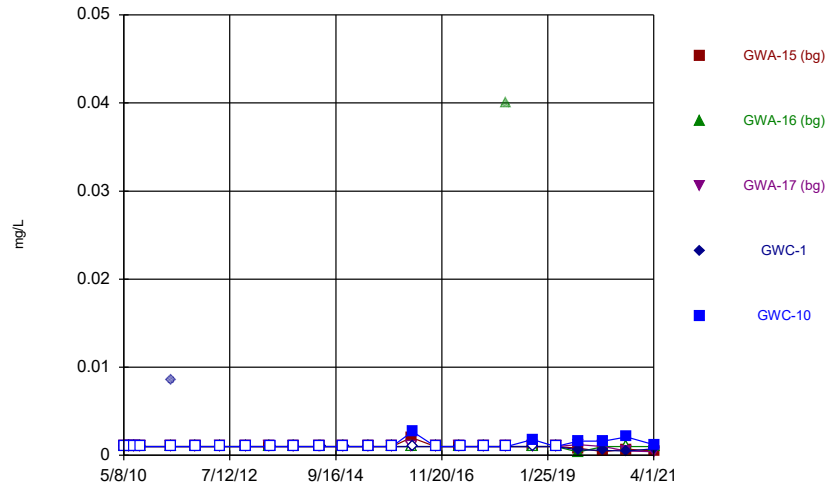
Constituent: Mercury Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series

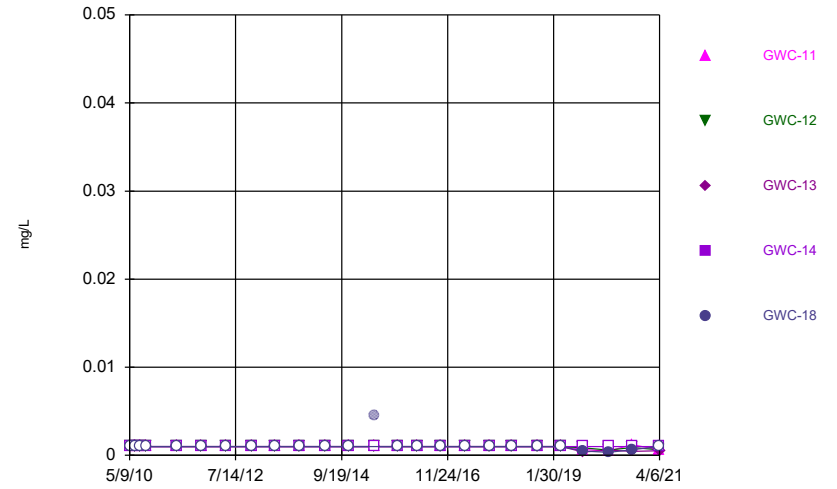


Constituent: Mercury Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

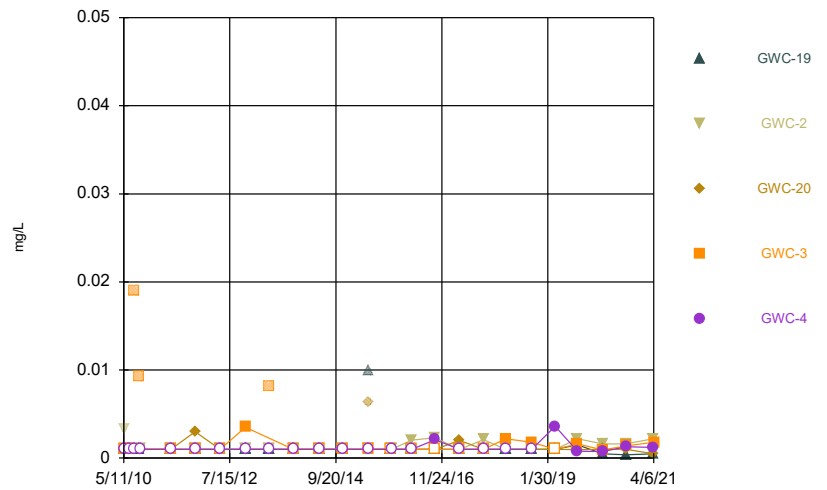
### Time Series



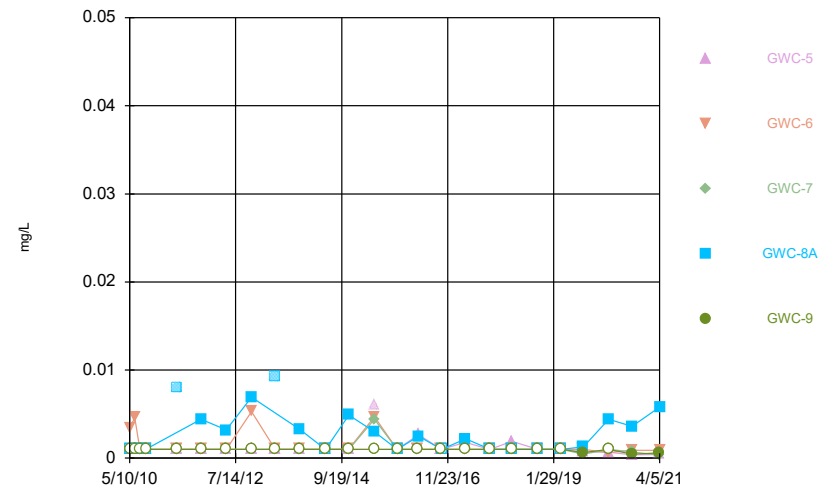
### Time Series



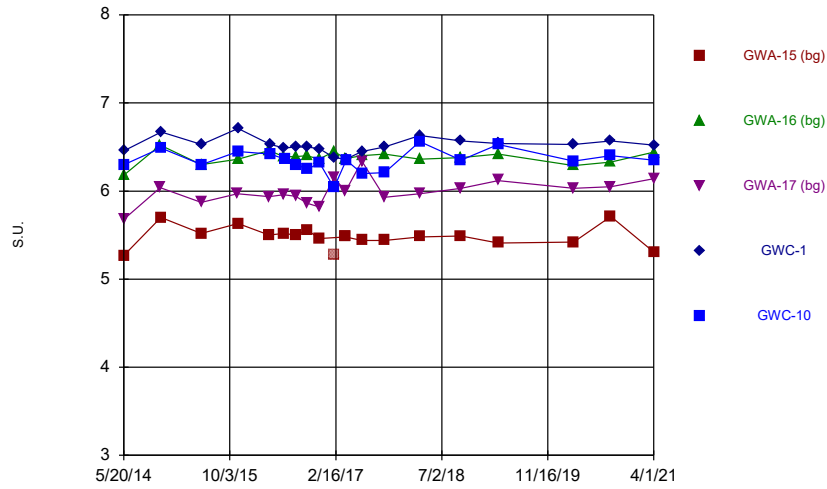
### Time Series



### Time Series

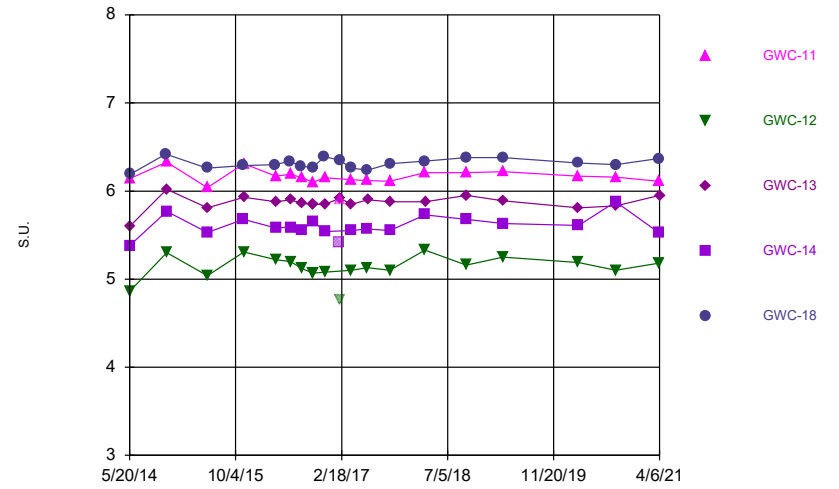


### Time Series



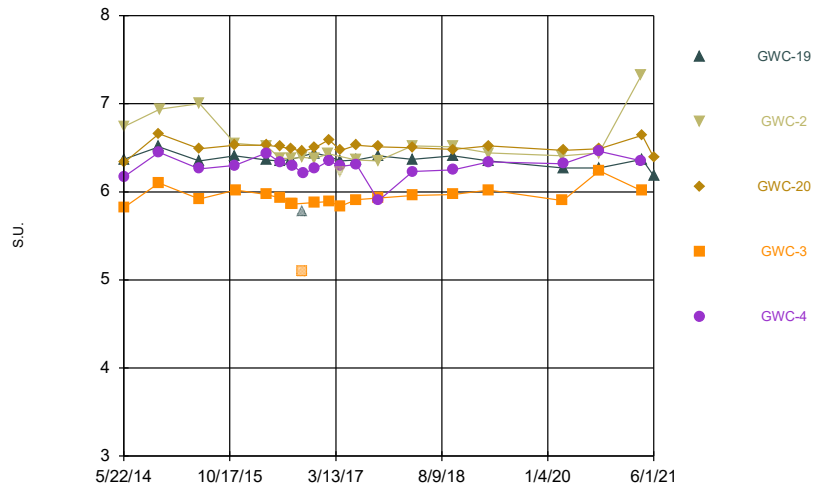
Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



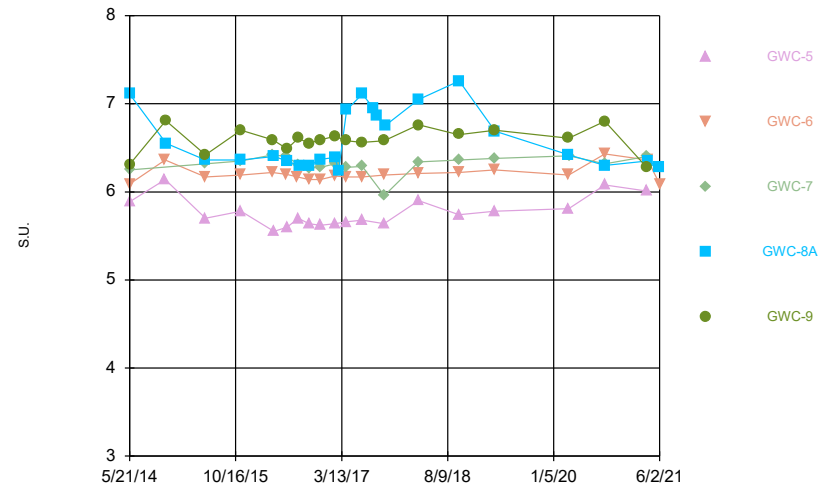
Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



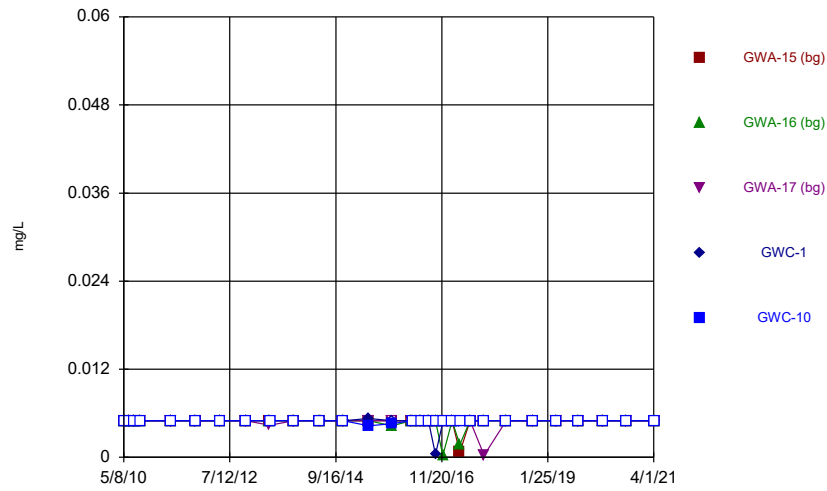
Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



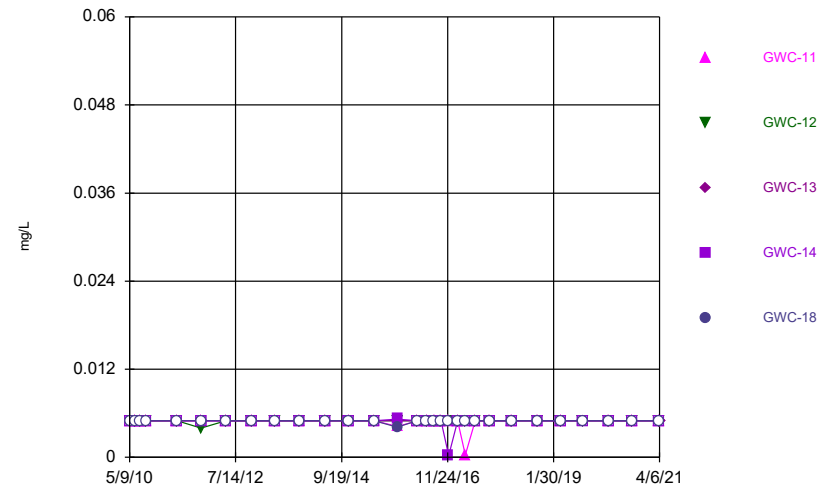
Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



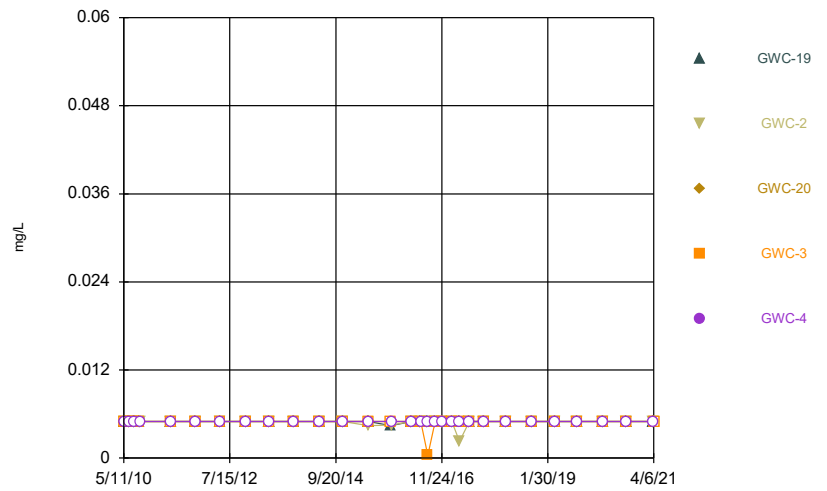
Constituent: Selenium, Total Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



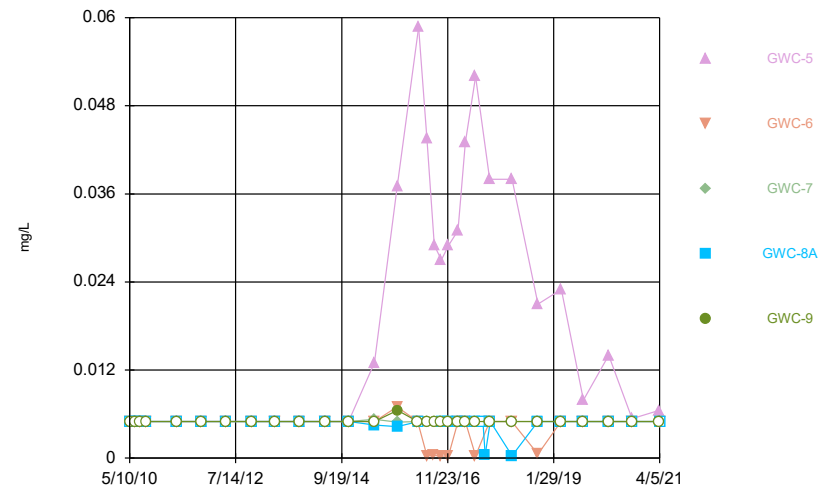
Constituent: Selenium, Total Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



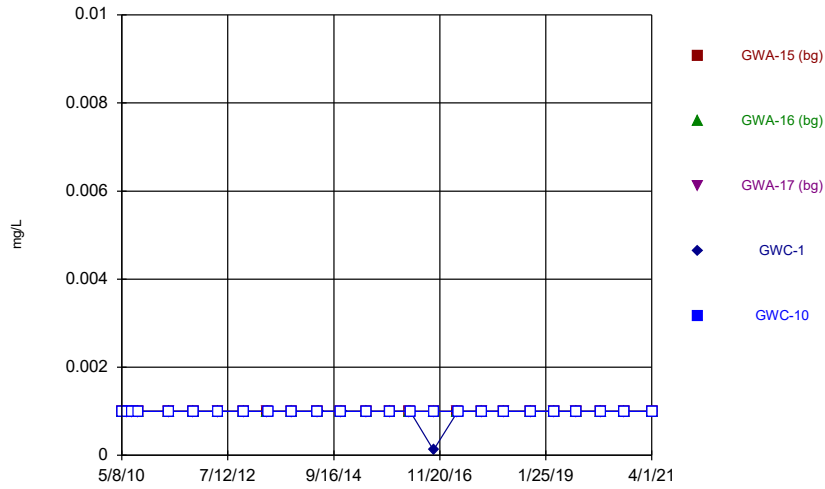
Constituent: Selenium, Total Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



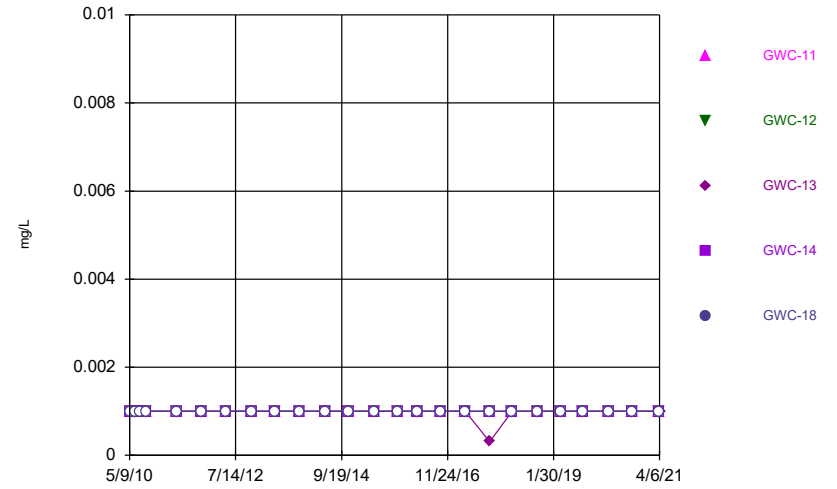
Constituent: Selenium, Total Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



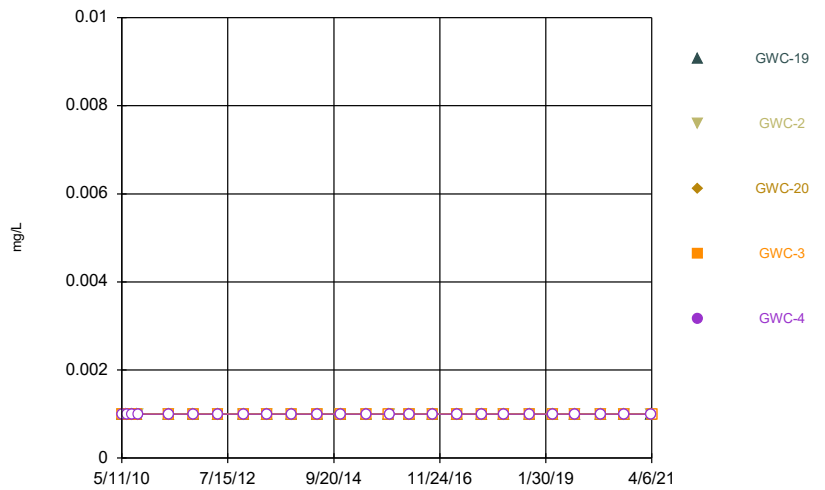
Constituent: Silver Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



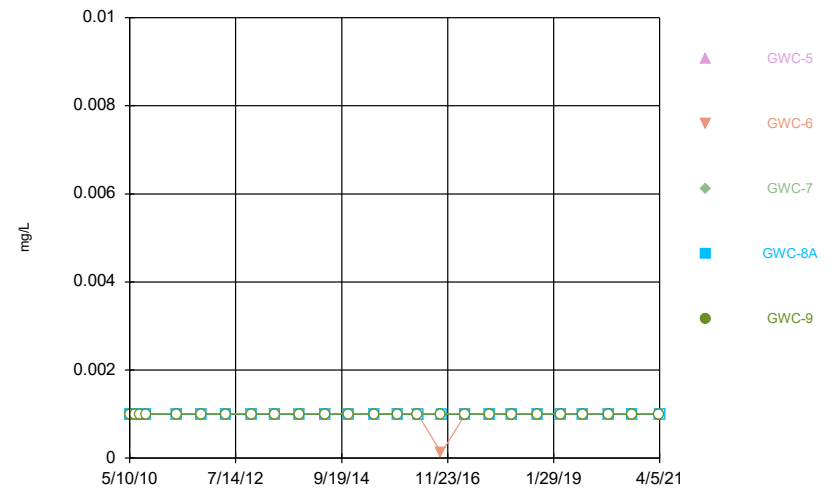
Constituent: Silver Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



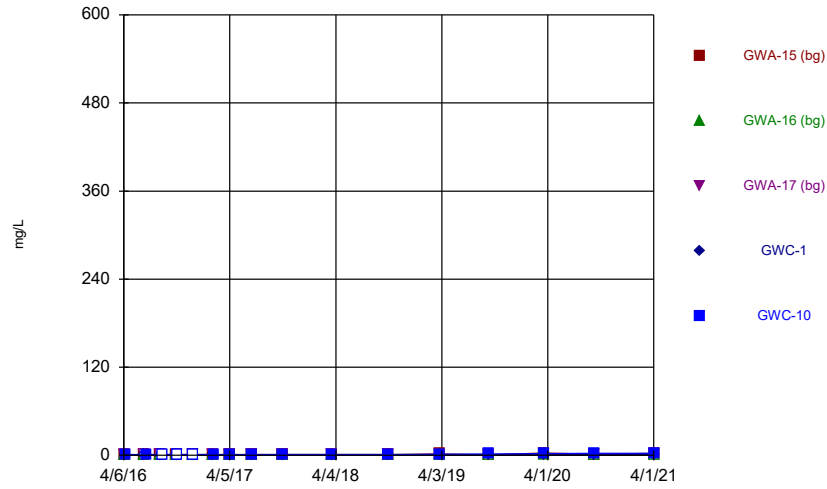
Constituent: Silver Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



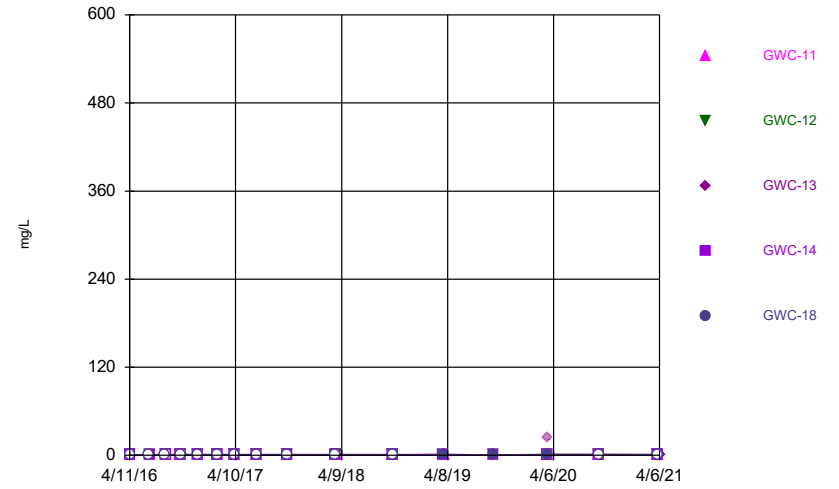
Constituent: Silver Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



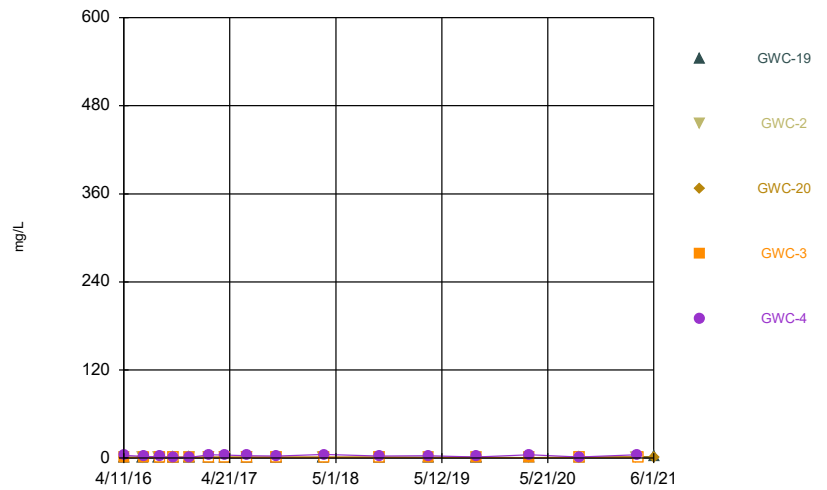
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



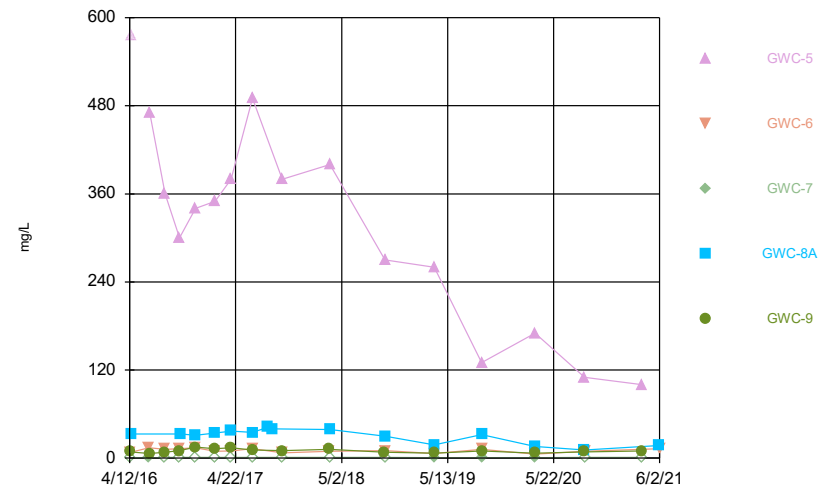
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



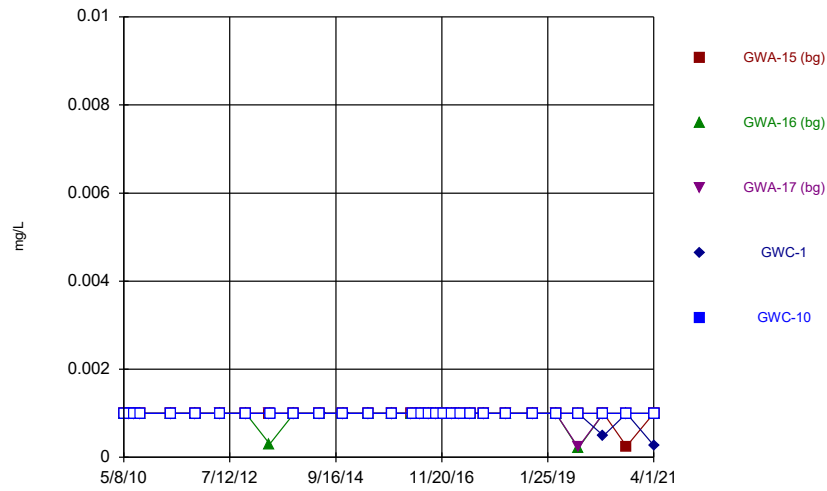
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series

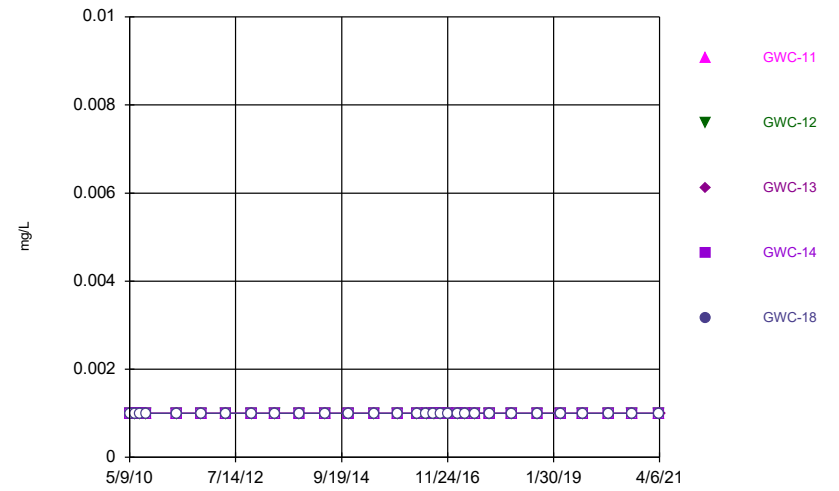


Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

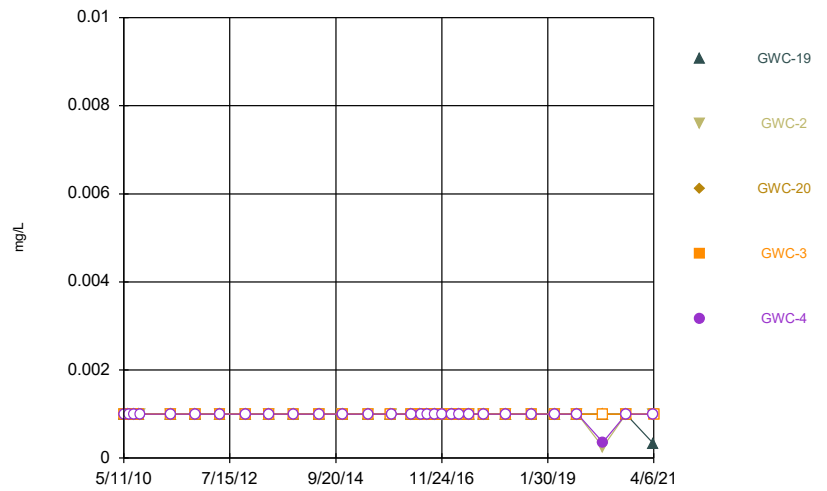
### Time Series



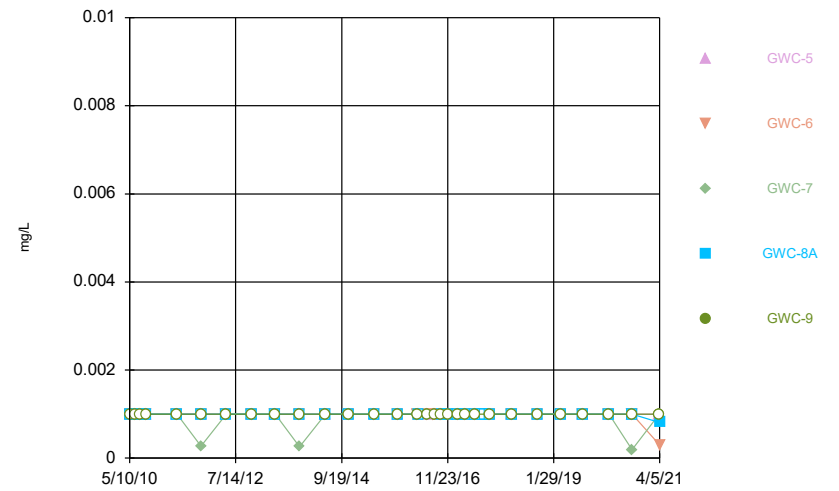
### Time Series



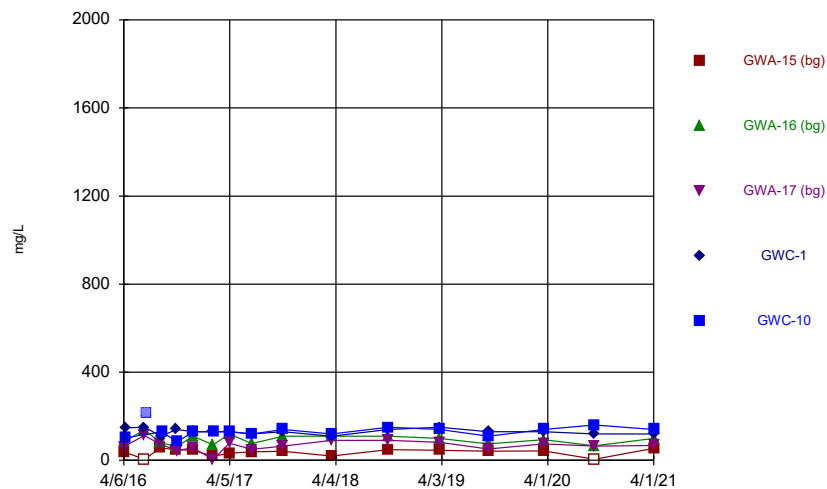
### Time Series



### Time Series

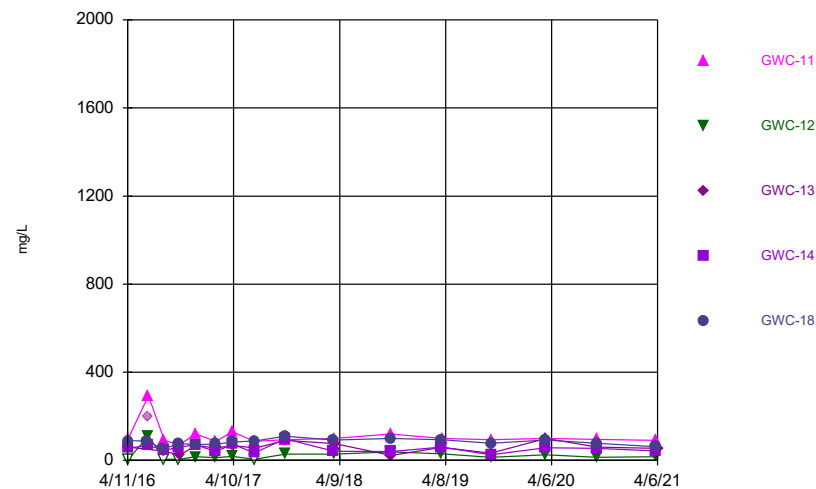


### Time Series



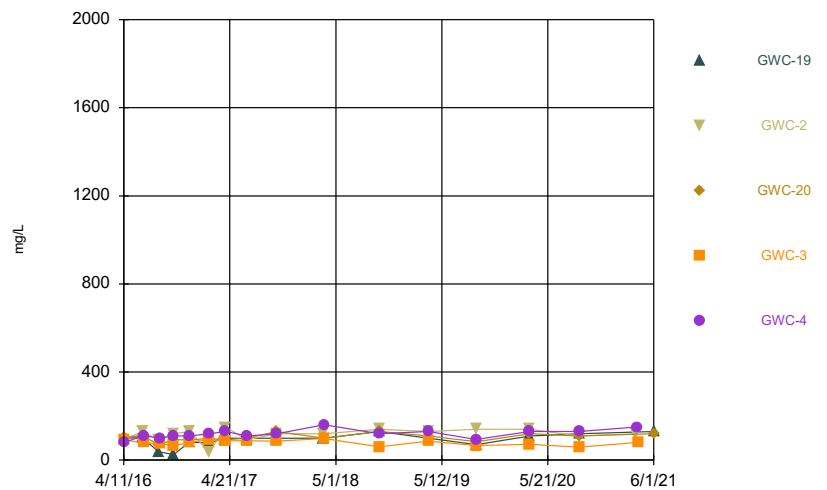
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



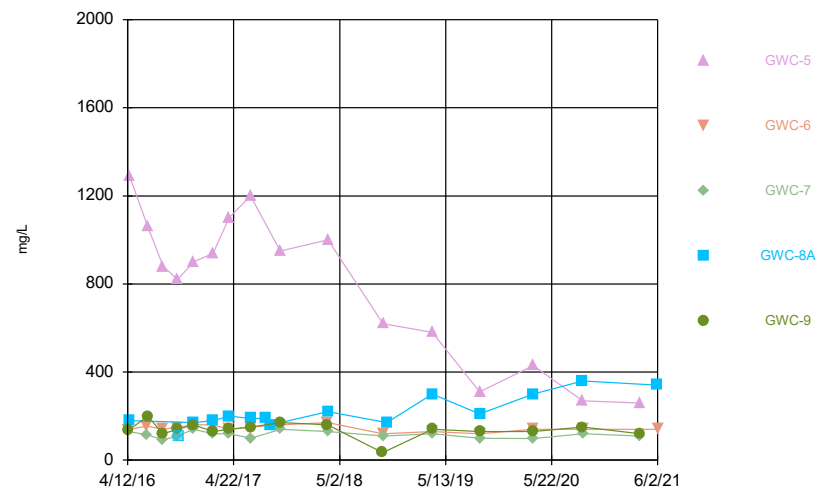
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

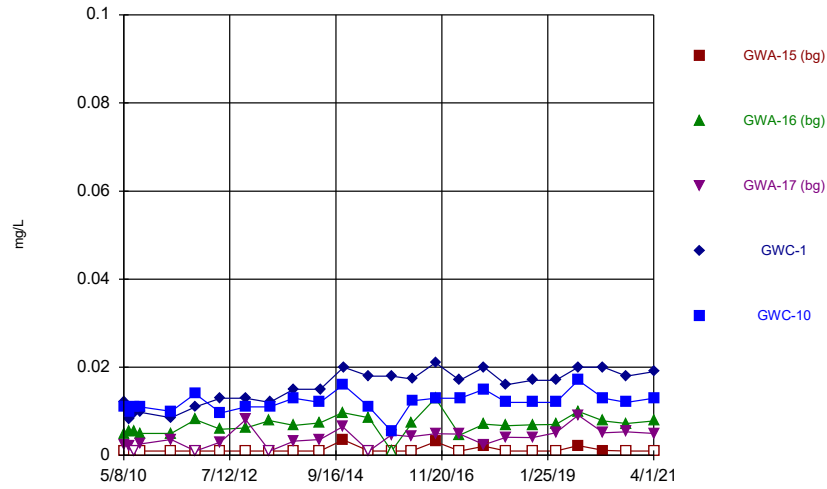
### Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

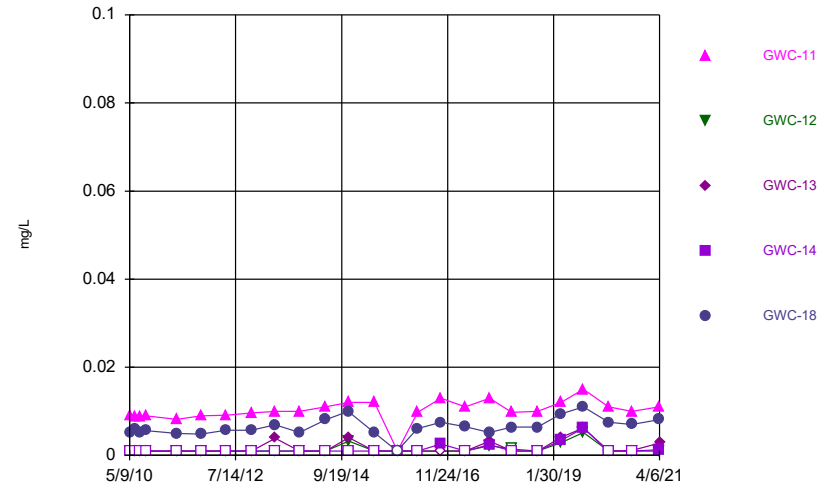


### Time Series



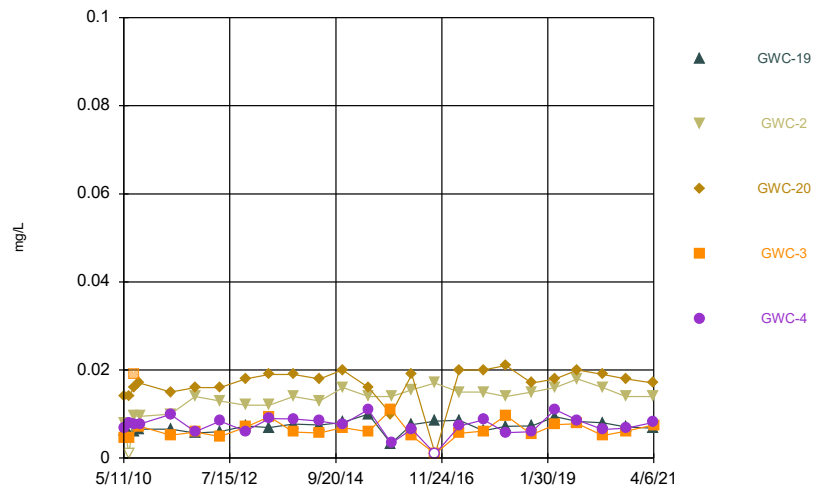
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



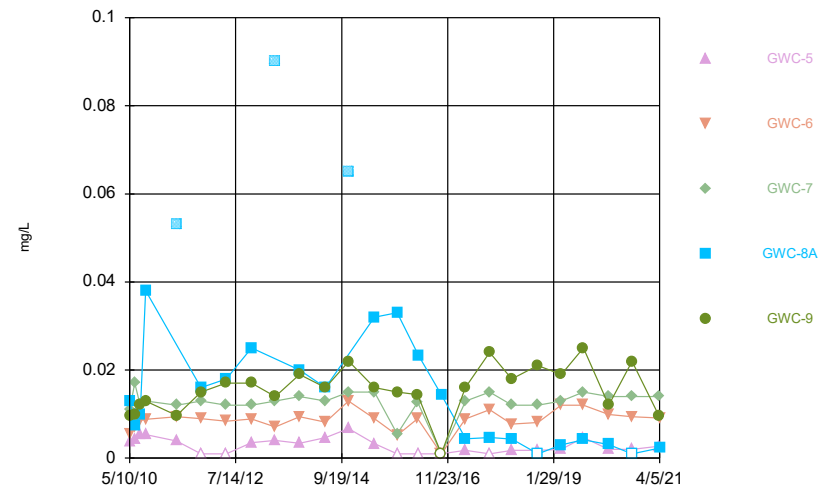
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



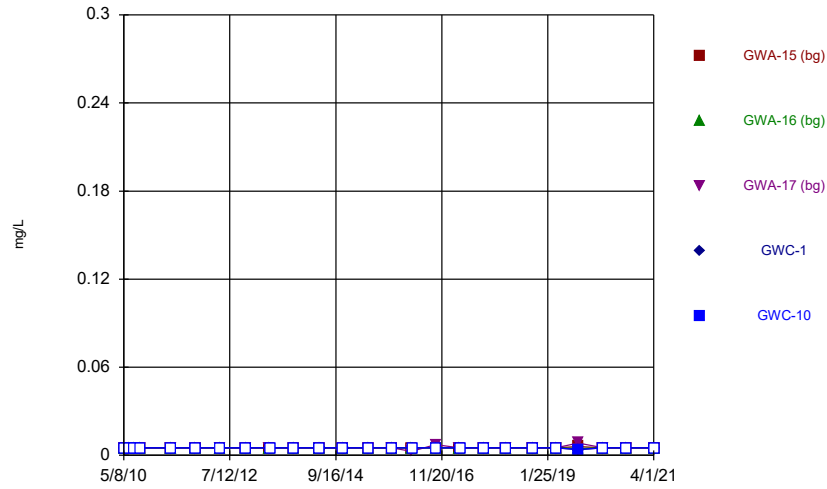
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



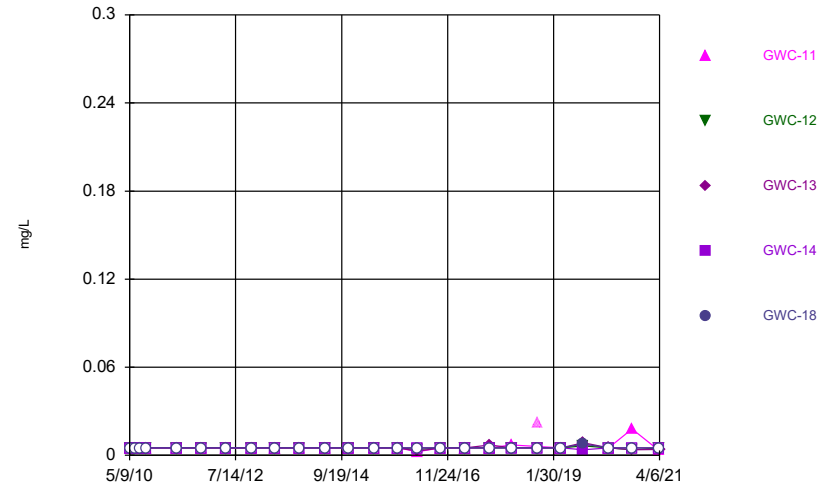
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



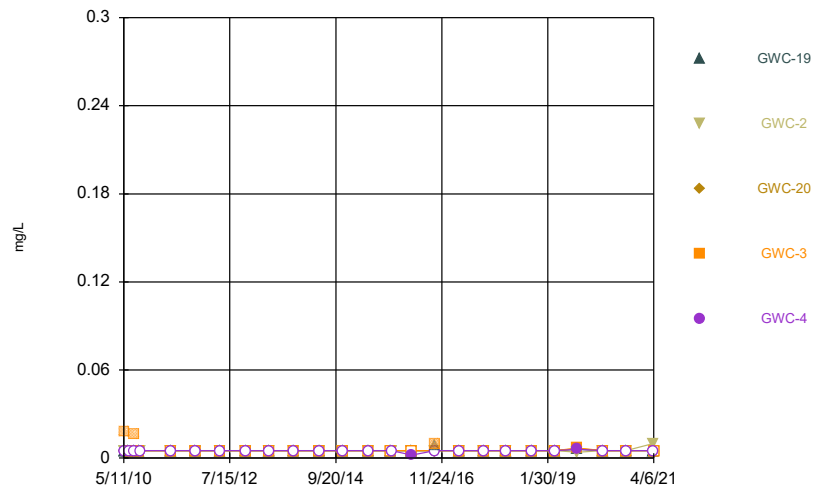
Constituent: Zinc Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



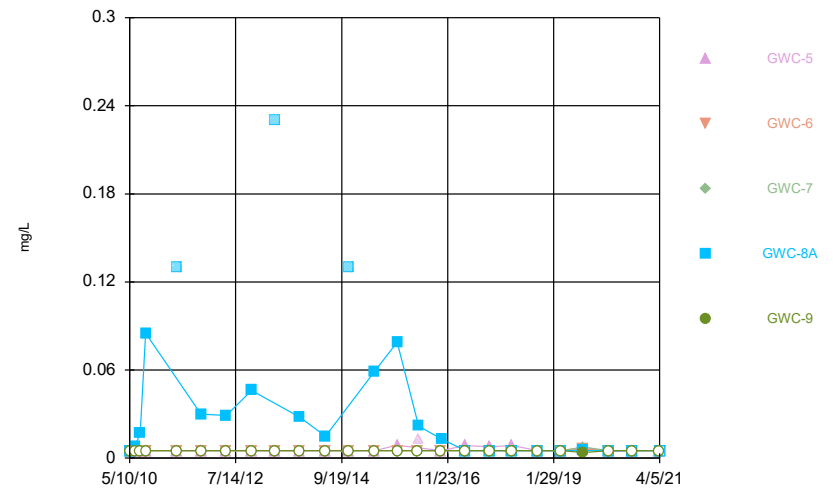
Constituent: Zinc Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Zinc Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Zinc Analysis Run 6/24/2021 10:03 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.002		
5/9/2010	<0.002	<0.002			
5/10/2010					<0.002
5/11/2010				<0.002	
6/16/2010		<0.002	<0.002		<0.002
6/17/2010				<0.002	
6/18/2010	<0.002				
7/26/2010			<0.002		
7/27/2010		<0.002		<0.002	
7/28/2010	<0.002				<0.002
9/7/2010		<0.002	<0.002		
9/8/2010					<0.002
9/9/2010	<0.002			<0.002	
4/28/2011				<0.002	
4/29/2011		<0.002	<0.002		<0.002
4/30/2011	<0.002				
10/27/2011					<0.002
10/28/2011	<0.002	<0.002	<0.002		
10/29/2011				<0.002	
5/2/2012	<0.002	<0.002	<0.002		
5/3/2012				<0.002	
5/4/2012					<0.002
11/9/2012	<0.002	<0.002	<0.002	<0.002	
11/11/2012					<0.002
5/8/2013	<0.002	<0.002	<0.002		
5/9/2013				<0.002	<0.002
11/5/2013	<0.002			<0.002	<0.002
11/6/2013		<0.002	<0.002		
5/20/2014	<0.002	<0.002	<0.002		
5/21/2014					<0.002
5/23/2014				<0.002	
11/8/2014		<0.002	<0.002		
11/12/2014	<0.002				<0.002
11/13/2014				<0.002	
5/22/2015	<0.002	<0.002	<0.002		
5/23/2015				<0.002	<0.002
11/9/2015		<0.002	<0.002		
11/11/2015	<0.002			<0.002	
11/12/2015					<0.002
4/6/2016	<0.002	<0.002	<0.002		
4/12/2016				<0.002	
4/13/2016					<0.002 (D)
6/15/2016	<0.002	<0.002	<0.002		
6/16/2016				<0.002	
6/21/2016					<0.002
8/10/2016	<0.002	<0.002	<0.002		
8/11/2016				<0.002	
8/15/2016					<0.002
10/4/2016	<0.002	<0.002		<0.002	
10/5/2016			<0.002		<0.002
11/29/2016		<0.002	<0.002		
11/30/2016	<0.002			<0.002	

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.002
2/7/2017	<0.002	0.001 (J)	<0.002	<0.002	
2/8/2017					<0.002
4/4/2017	<0.002	<0.002	<0.002		
4/5/2017				<0.002	
4/6/2017					<0.002
6/20/2017	<0.002	<0.002	<0.002	<0.002	
6/21/2017					<0.002
10/4/2017	<0.002			<0.002	
10/5/2017		<0.002	<0.002		<0.002
3/20/2018	<0.002 (D)	<0.002	<0.002	<0.002	
3/21/2018					<0.002
10/2/2018	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	
3/27/2019					<0.002
9/10/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019					<0.002
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2021	<0.002	<0.002	<0.002	<0.002	<0.002

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.002	<0.002	<0.002	
5/10/2010	<0.002				<0.002
6/16/2010	<0.002				<0.002
6/18/2010		<0.002	<0.002	<0.002	
7/26/2010					<0.002
7/27/2010	<0.002	<0.002			
7/28/2010				<0.002	
7/29/2010			<0.002		
9/7/2010					<0.002
9/8/2010	<0.002	<0.002			
9/9/2010			<0.002	<0.002	
4/26/2011			<0.002		
4/29/2011	<0.002	<0.002			<0.002
4/30/2011				<0.002	
10/27/2011	<0.002				
10/28/2011		<0.002	<0.002	<0.002	<0.002
5/2/2012					<0.002
5/3/2012		<0.002		<0.002	
5/4/2012	<0.002		<0.002		
11/9/2012					<0.002
11/10/2012	<0.002	<0.002		<0.002	
11/11/2012			<0.002		
5/8/2013			<0.002	<0.002	<0.002
5/9/2013	<0.002	<0.002			
11/5/2013				<0.002	
11/6/2013	<0.002	<0.002			<0.002
11/7/2013			<0.002		
5/20/2014	<0.002	<0.002	<0.002	<0.002	
5/23/2014					<0.002
11/8/2014					<0.002
11/12/2014	<0.002	<0.002	<0.002	<0.002	
5/22/2015					<0.002
5/23/2015		<0.002			
5/24/2015	<0.002		<0.002	<0.002	
11/10/2015					<0.002
11/11/2015				<0.002	
11/12/2015	<0.002	<0.002	<0.002		
4/11/2016					<0.002
4/13/2016	<0.002 (D)	0.000646 (JD)	<0.002 (D)	<0.002 (D)	
6/16/2016					0.00018 (J)
6/21/2016	<0.002	<0.002	<0.002	<0.002	
8/11/2016					<0.002
8/15/2016	<0.002	<0.002	<0.002	<0.002	
10/4/2016				<0.002	
10/5/2016	<0.002	<0.002			<0.002
10/7/2016			<0.002		
11/29/2016					<0.002
12/1/2016	<0.002	<0.002	<0.002	<0.002	
2/7/2017				<0.002	
2/8/2017	<0.002	<0.002			<0.002
2/9/2017			<0.002		
4/5/2017		<0.002			

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.002		<0.002	<0.002	<0.002
6/20/2017	<0.002	<0.002		<0.002	
6/21/2017					<0.002
6/22/2017			<0.002		
10/5/2017	<0.002	<0.002		<0.002	<0.002
10/6/2017			<0.002		
3/20/2018				<0.002	<0.002
3/21/2018	<0.002	<0.002 (D)			
3/22/2018			<0.002		
10/2/2018	<0.002	<0.002		<0.002	<0.002
10/3/2018			<0.002		
3/26/2019		<0.002	<0.002	<0.002	<0.002
3/27/2019	<0.002				
9/11/2019	<0.002	<0.002	<0.002	<0.002	0.00039 (J)
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020				<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002		
4/1/2021	<0.002	<0.002		<0.002	<0.002
4/6/2021			<0.002		

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.002	<0.002	<0.002	<0.002	<0.002
6/16/2010	<0.002				
6/17/2010			<0.002	<0.002	<0.002
6/19/2010		<0.002			
7/27/2010	<0.002	<0.002	<0.002		
7/28/2010				<0.002	<0.002
9/7/2010	<0.002		<0.002	<0.002	
9/8/2010					<0.002
9/9/2010		<0.002			
4/28/2011		<0.002			<0.002
4/29/2011	<0.002		<0.002	<0.002	
10/28/2011	<0.002	<0.002	<0.002	<0.002	
10/29/2011					<0.002
5/2/2012	<0.002				
5/3/2012		<0.002	<0.002	<0.002	<0.002
11/9/2012	<0.002	<0.002		<0.002	
11/10/2012			<0.002		<0.002
5/9/2013	<0.002	<0.002	<0.002		
5/10/2013				<0.002	<0.002
11/5/2013		<0.002			
11/6/2013	<0.002		<0.002	<0.002	<0.002
5/22/2014	<0.002	<0.002	<0.002	<0.002	<0.002
11/8/2014	<0.002				
11/9/2014			<0.002	<0.002	<0.002
11/13/2014		<0.002			
5/22/2015				<0.002	<0.002
5/23/2015	<0.002				
5/24/2015		<0.002	<0.002		
11/10/2015	<0.002		<0.002	<0.002	
11/11/2015		<0.002			<0.002
4/11/2016	<0.002				
4/12/2016		<0.002	<0.002	<0.002 (D)	<0.002
6/16/2016	0.00014 (J)	<0.002	<0.002		
6/20/2016				0.0002 (J)	<0.002
8/11/2016	<0.002	<0.002	<0.002		
8/12/2016				<0.002	<0.002
10/4/2016		<0.002			
10/5/2016	<0.002		<0.002	<0.002	
10/6/2016					<0.002
11/29/2016	<0.002				
11/30/2016		<0.002	<0.002	<0.002	<0.002
2/7/2017		<0.002			
2/8/2017	<0.002		<0.002	<0.002	<0.002
4/5/2017	<0.002				
4/6/2017		<0.002	<0.002	<0.002	<0.002
6/20/2017		<0.002			
6/21/2017	<0.002		<0.002	<0.002	
6/22/2017					<0.002
10/4/2017		<0.002			
10/5/2017	<0.002		<0.002	<0.002	
10/6/2017					<0.002
3/20/2018	<0.002	<0.002			

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.002	<0.002	<0.002
10/2/2018	<0.002	<0.002			
10/3/2018			<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/10/2019		0.00042 (J)		<0.002	<0.002
9/12/2019	<0.002		<0.002		
3/18/2020		<0.002		<0.002	
3/19/2020	<0.002		<0.002		<0.002
9/9/2020	<0.002	<0.002			
9/10/2020			<0.002	<0.002	<0.002
4/1/2021		0.0013 (J)			
4/2/2021					<0.002
4/5/2021	<0.002		<0.002		
4/6/2021				<0.002	



# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.002	<0.002	<0.002
5/11/2010	<0.002	<0.002			
6/16/2010					<0.002
6/18/2010	<0.002	<0.002	<0.002		
6/19/2010				<0.002	
7/27/2010	<0.002	<0.002			<0.002
7/28/2010			<0.002	<0.002	
9/8/2010				<0.002	<0.002
9/9/2010	<0.002	<0.002	<0.002		
4/29/2011	<0.002				<0.002
4/30/2011		<0.002	<0.002	<0.002	
10/27/2011				<0.002	<0.002
10/28/2011	<0.002				
10/29/2011		<0.002	<0.002		
5/3/2012					<0.002
5/4/2012	<0.002	<0.002	<0.002	<0.002	
11/10/2012	<0.002	<0.002	<0.002		
11/11/2012				<0.002	<0.002
5/9/2013	<0.002	<0.002	<0.002		<0.002
5/10/2013				<0.002	
11/6/2013	<0.002				<0.002
11/7/2013		<0.002	<0.002	<0.002	
5/21/2014		<0.002	<0.002	<0.002	<0.002
5/22/2014	<0.002				
11/9/2014	<0.002	<0.002			
11/12/2014			<0.002		<0.002
11/13/2014				<0.002	
5/23/2015				<0.002	<0.002
5/24/2015	<0.002	<0.002	<0.002		
11/11/2015	<0.002	<0.002	<0.002	<0.002	
11/12/2015					<0.002
4/12/2016		<0.002			
4/13/2016			<0.002 (D)		<0.002 (D)
4/19/2016	<0.002			<0.002	
6/20/2016		<0.002	0.0002 (J)		
6/22/2016	<0.002				<0.002
8/12/2016		<0.002			
8/15/2016			<0.002		<0.002
8/16/2016	<0.002				
10/6/2016	<0.002	<0.002	<0.002		<0.002
10/10/2016				<0.002	
11/30/2016		<0.002			
12/1/2016	<0.002		<0.002	<0.002	<0.002
2/8/2017					<0.002
2/9/2017	<0.002	<0.002	<0.002	<0.002	
4/6/2017	<0.002	<0.002			<0.002
4/7/2017			<0.002	<0.002	
6/21/2017	<0.002	<0.002		<0.002	<0.002
6/22/2017			<0.002		
8/15/2017				<0.002	
9/1/2017				<0.002	
10/5/2017	<0.002				<0.002

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.002	<0.002		
10/9/2017				<0.002	
3/21/2018		<0.002			<0.002
3/22/2018	<0.002		<0.002	<0.002	
10/2/2018					<0.002
10/3/2018	<0.002	<0.002			
10/4/2018			<0.002	<0.002	
3/26/2019		<0.002			
3/27/2019	<0.002		<0.002	<0.002	<0.002
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/18/2020	<0.002	<0.002		<0.002	<0.002
3/19/2020			<0.002		
9/9/2020	<0.002			<0.002	<0.002
9/10/2020		<0.002	<0.002		
4/1/2021	<0.002		<0.002		<0.002
4/5/2021		<0.002		<0.002	

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				<0.001	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	<0.001	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001		
6/16/2016				6E-05 (J)	
6/21/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001		
8/11/2016				<0.001	
8/15/2016					<0.001
10/4/2016	<0.001	<0.001		0.00079	
10/5/2016			<0.001		<0.001
11/29/2016		<0.001	<0.001		
11/30/2016	<0.001			<0.001	

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001	
2/8/2017					<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	
6/21/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	0.00032 (J)	0.00049 (J)	0.00069 (J)	0.00033 (J)	
9/11/2019					0.00055 (J)
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					<0.001
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
6/16/2016					<0.001
6/21/2016	<0.001	<0.001	<0.001	<0.001	
8/11/2016					<0.001
8/15/2016	<0.001	<0.001	<0.001	<0.001	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
11/29/2016					<0.001
12/1/2016	<0.001	<0.001	<0.001	<0.001	
2/7/2017				<0.001	
2/8/2017	<0.001	<0.001			<0.001
2/9/2017			<0.001		
4/5/2017		<0.001			

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.001		<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		<0.001	
6/21/2017					<0.001
6/22/2017			<0.001		
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			<0.001		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001				
9/11/2019	0.00045 (J)	0.00038 (J)	0.00042 (J)	0.00045 (J)	0.00043 (J)
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	<0.001	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		<0.001	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				<0.001	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	<0.001				
5/24/2015		<0.001	<0.001		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
6/16/2016	5.1E-05 (J)	5.5E-05 (J)	5.4E-05 (J)		
6/20/2016				<0.001	<0.001
8/11/2016	<0.001	<0.001	<0.001		
8/12/2016				0.00053 (J)	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
11/29/2016	<0.001				
11/30/2016		<0.001	<0.001	<0.001	<0.001
2/7/2017		<0.001			
2/8/2017	<0.001		<0.001	<0.001	<0.001
4/5/2017	<0.001				
4/6/2017		<0.001	<0.001	<0.001	<0.001
6/20/2017		<0.001			
6/21/2017	<0.001		<0.001	<0.001	
6/22/2017					<0.001
10/4/2017		<0.001			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			0.00078	0.00089	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		0.00038 (J)		0.00032 (J)	0.00032 (J)
9/12/2019	<0.001		<0.001		
3/18/2020		<0.001		<0.001	
3/19/2020	<0.001		<0.001		<0.001
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			
4/2/2021					<0.001
4/5/2021	<0.001		<0.001		
4/6/2021				<0.001	



# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					<0.001
6/18/2010	<0.001	<0.001	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	<0.001	
10/27/2011				<0.001	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	<0.001		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	<0.001	
11/10/2012	<0.001	<0.001	<0.001		
11/11/2012				<0.001	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				<0.001	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	<0.001	<0.001	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				<0.001	
5/23/2015				<0.001	<0.001
5/24/2015	<0.001	<0.001	<0.001		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
6/20/2016		6.3E-05 (J)	<0.001		
6/22/2016	0.0008				<0.001
8/12/2016		<0.001			
8/15/2016			<0.001		<0.001
8/16/2016	<0.001				
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
11/30/2016		<0.001			
12/1/2016	<0.001		<0.001	<0.001	<0.001
2/8/2017					<0.001
2/9/2017	<0.001	<0.001	<0.001	0.00115 (D)	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
6/21/2017	<0.001	<0.001		0.0014	<0.001
6/22/2017			<0.001		
8/15/2017				0.00086	
9/1/2017				0.00075	
10/5/2017	<0.001				<0.001

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.001	<0.001		
10/9/2017				0.0013	
3/21/2018		<0.001			<0.001
3/22/2018	0.00046 (J)		<0.001	0.00075	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	0.0012	0.00062
9/11/2019	0.00038 (J)	0.00041 (J)	0.00038 (J)	0.001 (J)	0.00055 (J)
3/18/2020	<0.001	<0.001		0.00042 (J)	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			0.00092 (J)	<0.001
9/10/2020		<0.001	<0.001		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		<0.001		0.00097 (J)	

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			0.048 (J)		
5/9/2010	0.01 (J)	0.031 (J)			
5/10/2010					0.024 (J)
5/11/2010				0.054 (J)	
6/16/2010		0.029 (J)	0.044 (J)		0.022 (J)
6/17/2010				0.054 (J)	
6/18/2010	0.01 (J)				
7/26/2010			0.042 (J)		
7/27/2010		0.029 (J)		0.054 (J)	
7/28/2010	0.011 (J)				0.023 (J)
9/7/2010		0.028 (J)	0.04 (J)		
9/8/2010					0.023 (J)
9/9/2010	0.011 (J)			0.046 (J)	
4/28/2011				0.057 (J)	
4/29/2011		0.026 (J)	0.038 (J)		0.022 (J)
4/30/2011	0.0091 (J)				
10/27/2011					0.022
10/28/2011	0.0096 (J)	0.025	0.034		
10/29/2011				0.046	
5/2/2012	0.012	0.025	0.03		
5/3/2012				0.049	
5/4/2012					0.019
11/9/2012	0.012 (V)	0.028 (V)	0.039 (V)	0.045 (V)	
11/11/2012					0.025 (V)
5/8/2013	0.01	0.029	0.034		
5/9/2013				0.053	0.024
11/5/2013	0.0098 (J)			0.045	0.025
11/6/2013		0.026	0.032		
5/20/2014	0.0081 (J)	0.025	0.03		
5/21/2014					0.024
5/23/2014				0.043	
11/8/2014		0.026	0.031		
11/12/2014	0.0098 (J)				0.026
11/13/2014				0.046	
5/22/2015	0.0088 (J)	0.026	0.033		
5/23/2015				0.046	0.026
11/9/2015		0.024	0.034		
11/11/2015	0.011			0.047	
11/12/2015					0.026
4/6/2016	0.00959 (J)	0.026	0.0347		
4/12/2016				0.0474	
4/13/2016					0.0258 (D)
6/15/2016	0.0091 (J)	0.023	0.029		
6/16/2016				0.044	
6/21/2016					0.0286
8/10/2016	0.009	0.022	0.027		
8/11/2016				0.04	
8/15/2016					0.024
10/4/2016	<0.021	0.024		0.048	
10/5/2016			<0.021		<0.021
11/29/2016		0.023	0.024		
11/30/2016	0.011			0.043	

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					0.028
2/7/2017	0.0099	0.024	0.029	0.042	
2/8/2017					0.027
4/4/2017	0.0092	0.022	0.03		
4/5/2017				0.041	
4/6/2017					0.027
6/20/2017	0.0099	0.025	0.036	0.046	
6/21/2017					0.031
10/4/2017	0.0098			0.044	
10/5/2017		0.023	0.027		0.029
3/20/2018	0.01	0.023	0.027	0.042	
3/21/2018					<0.021 (X)
10/2/2018	0.0099	0.023	0.027	0.043	0.029
3/26/2019	0.0099	0.024	0.031	0.044	
3/27/2019					0.027
9/10/2019	0.011	0.039	0.051	0.046	
9/11/2019					0.033
3/18/2020	0.01	0.027	0.031	0.049	0.036
9/9/2020	0.01	0.024	0.033	0.046	0.036
4/1/2021	0.0092 (J)	0.024	0.029	0.047	0.034

# Time Series

Constituent: Barium, Total (mg/L)    Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		0.017 (J)	0.029 (J)	0.01 (J)	
5/10/2010	0.018 (J)				0.039 (J)
6/16/2010	0.018 (J)				0.041 (J)
6/18/2010		0.014 (J)	0.028 (J)	0.0097 (J)	
7/26/2010					0.04 (J)
7/27/2010	0.018 (J)	0.015 (J)			
7/28/2010				0.0096 (J)	
7/29/2010			0.029 (J)		
9/7/2010					0.038 (J)
9/8/2010	0.017 (J)	0.013 (J)			
9/9/2010			0.028 (J)	0.01 (J)	
4/26/2011			0.038 (J)		
4/29/2011	0.016 (J)	0.016 (J)			0.034 (J)
4/30/2011				0.0096 (J)	
10/27/2011	0.015				
10/28/2011		0.013	0.026	0.0064 (O)	0.035
5/2/2012					0.038
5/3/2012		0.012		0.0054 (O)	
5/4/2012	0.014		0.024		
11/9/2012					0.035 (V)
11/10/2012	0.016 (V)	0.015 (V)		0.0094 (J)	
11/11/2012			0.027 (V)		
5/8/2013			0.045	0.0093 (J)	0.037
5/9/2013	0.016	0.015			
11/5/2013				0.009 (J)	
11/6/2013	0.016	0.015			0.036 (V)
11/7/2013			0.026		
5/20/2014	0.016	0.015	0.024	0.009 (J)	
5/23/2014					0.036
11/8/2014					0.038
11/12/2014	0.017	0.018	0.029	0.0098 (J)	
5/22/2015					0.035
5/23/2015		0.016			
5/24/2015	0.017		0.027	0.0096 (J)	
11/10/2015					0.032
11/11/2015				0.0092 (J)	
11/12/2015	0.016	0.015	0.029		
4/11/2016					0.0352
4/13/2016	0.0159 (D)	0.0166 (D)	0.029 (D)	0.00929 (JD)	
6/16/2016					0.033
6/21/2016	0.018	0.0173	0.0306	0.0106	
8/11/2016					0.035
8/15/2016	0.015	0.015	0.026	0.0077	
10/4/2016				<0.021	
10/5/2016	<0.021	<0.021			<0.021
10/7/2016			0.031		
11/29/2016					0.034
12/1/2016	0.016	0.016	0.031	0.0089	
2/7/2017				0.0089	
2/8/2017	0.015	0.016			0.032
2/9/2017			0.032		
4/5/2017		0.016			

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	0.016		0.029	0.0085	0.031
6/20/2017	0.016	0.017		0.0097	
6/21/2017					0.035
6/22/2017			0.034		
10/5/2017	0.016	0.017		0.0096	0.034
10/6/2017			0.031		
3/20/2018				0.0091	0.033
3/21/2018	<0.021 (X)	<0.021 (X)			
3/22/2018			0.034		
10/2/2018	0.016	0.016		0.0096	0.032
10/3/2018			0.03		
3/26/2019		0.017	0.035	0.0092	0.033
3/27/2019	0.015				
9/11/2019	0.017	0.017	0.035	0.011	0.035
3/18/2020	0.019	0.018	0.058	0.0099 (J)	0.036
9/9/2020				0.01	0.036
9/10/2020	0.02	0.019	0.037		
4/1/2021	0.018	0.018		0.0095 (J)	0.035
4/6/2021			0.038		

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	0.018 (J)	0.048 (J)	0.032 (J)	0.039	0.031 (J)
6/16/2010	0.017 (J)				
6/17/2010			0.031 (J)	0.017	0.033 (J)
6/19/2010		0.033 (J)			
7/27/2010	0.016 (J)	0.047 (J)	0.035 (J)		
7/28/2010				0.071 (O)	0.033 (J)
9/7/2010	0.017 (J)		0.032 (J)	0.026	
9/8/2010					0.033 (J)
9/9/2010		0.045 (J)			
4/28/2011		0.048 (J)			0.039 (J)
4/29/2011	0.018 (J)		0.031 (J)	0.016	
10/28/2011	0.016	0.044	0.03	0.014	
10/29/2011					0.029
5/2/2012	0.018				
5/3/2012		0.047	0.032	0.017	0.036
11/9/2012	0.017 (V)	0.055 (V)		0.022 (V)	
11/10/2012			0.028 (V)		0.032 (V)
5/9/2013	0.017	0.049	0.029		
5/10/2013				0.025	0.035
11/5/2013		0.045			
11/6/2013	0.018 (V)		0.03 (V)	0.015	0.037
5/22/2014	0.016	0.04	0.029	0.016	0.031
11/8/2014	0.018				
11/9/2014			0.032	0.017	0.034
11/13/2014		0.045			
5/22/2015				0.017	0.039
5/23/2015	0.018				
5/24/2015		0.045	0.029		
11/10/2015	0.017		0.026	0.018	
11/11/2015		0.045			0.042
4/11/2016	0.0191				
4/12/2016		0.0519	0.033	0.0169 (D)	0.0386
6/16/2016	0.017	0.045	0.028		
6/20/2016				0.014	0.031
8/11/2016	0.015	0.04	0.026		
8/12/2016				0.018	0.033
10/4/2016		0.044			
10/5/2016	<0.021		0.03	0.015	
10/6/2016					0.042
11/29/2016	0.017				
11/30/2016		0.044	0.03	0.018	0.04
2/7/2017		0.044			
2/8/2017	0.017		0.033	0.018	0.042
4/5/2017	0.017				
4/6/2017		0.041	0.033	0.017	0.041
6/20/2017		0.045			
6/21/2017	0.019		0.03	0.02	
6/22/2017					0.047
10/4/2017		0.047			
10/5/2017	0.018		0.028	0.017	
10/6/2017					0.045
3/20/2018	0.019	0.045			

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.021 (X)	<0.021 (X)	0.045
10/2/2018	0.018	0.044			
10/3/2018			0.028	0.016	0.042
3/26/2019	0.018	0.045	0.03	0.015	0.053
9/10/2019		0.047		0.014	0.037
9/12/2019	0.026		0.035		
3/18/2020		0.048		0.013	
3/19/2020	0.025		0.032		0.045
9/9/2020	0.026	0.047			
9/10/2020			0.031	0.015	0.045
4/1/2021		0.044			
4/2/2021					0.047
4/5/2021	0.028		0.029		
4/6/2021				0.014	



# Time Series

Constituent: Barium, Total (mg/L)    Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			0.029 (J)	0.05 (J)	0.026 (J)
5/11/2010	0.034 (J)	0.053 (J)			
6/16/2010					0.026 (J)
6/18/2010	0.028 (J)	0.055 (J)	0.044 (J)		
6/19/2010				0.045 (J)	
7/27/2010	0.026 (J)	0.053 (J)			0.029 (J)
7/28/2010			0.028 (J)	0.046 (J)	
9/8/2010				0.071 (J)	0.027 (J)
9/9/2010	0.022 (J)	0.05 (J)	0.029 (J)		
4/29/2011	0.016 (J)				0.02 (J)
4/30/2011		0.05 (J)	0.025 (J)	0.098 (J)	
10/27/2011				0.048	0.02
10/28/2011	0.014				
10/29/2011		0.045	0.026		
5/3/2012					0.021
5/4/2012	0.017	0.051	0.032	0.055	
11/10/2012	0.014 (V)	0.048 (V)	0.028 (V)		
11/11/2012				0.05 (V)	0.028 (V)
5/9/2013	0.016	0.048	0.03		0.026
5/10/2013				0.12	
11/6/2013	0.016				0.026
11/7/2013		0.049	0.031	0.044	
5/21/2014		0.048	0.029	0.037	0.023
5/22/2014	0.016				
11/9/2014	0.018	0.053			
11/12/2014			0.031		0.038
11/13/2014				0.085	
5/23/2015				0.054	0.021
5/24/2015	0.11	0.061	0.039		
11/11/2015	0.12	0.063	0.032	0.059	
11/12/2015					0.02
4/12/2016		0.0626			
4/13/2016			0.0328 (D)		0.0164 (D)
4/19/2016	0.099			0.0415	
6/20/2016		0.057	0.03		
6/22/2016	0.074				0.0238
8/12/2016		0.053			
8/15/2016			0.033		0.02
8/16/2016	0.045				
10/6/2016	0.046	0.053	0.032		0.021
10/10/2016				0.034	
11/30/2016		0.06			
12/1/2016	0.046		0.034	0.037	0.025
2/8/2017					0.017
2/9/2017	0.055	0.054	0.032	0.043	
4/6/2017	0.057	0.055			0.019
4/7/2017			0.031	0.019	
6/21/2017	0.062	0.063		0.017	0.026
6/22/2017			0.035		
8/15/2017				0.021	
9/1/2017				0.02	
10/5/2017	0.052				0.022

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		0.054	0.034		
10/9/2017				0.019	
3/21/2018		0.056			<0.021 (X)
3/22/2018	0.048		0.035	0.019	
10/2/2018					0.023
10/3/2018	0.036	0.051			
10/4/2018			0.031	0.012	
3/26/2019		0.052			
3/27/2019	0.038		0.033	0.025	0.018
9/11/2019	0.039	0.059	0.035	0.022	0.028
3/18/2020	0.04	0.05		0.043	0.013
3/19/2020			0.036		
9/9/2020	0.033			0.053	0.025
9/10/2020		0.056	0.039		
4/1/2021	0.04		0.036		0.018
4/5/2021		0.054		0.045	

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0025		
5/9/2010	<0.0025	<0.0025			
5/10/2010					<0.0025
5/11/2010				<0.0025	
6/16/2010		<0.0025	<0.0025		<0.0025
6/17/2010				<0.0025	
6/18/2010	<0.0025				
7/26/2010			<0.0025		
7/27/2010		<0.0025		<0.0025	
7/28/2010	<0.0025				<0.0025
9/7/2010		<0.0025	<0.0025		
9/8/2010					<0.0025
9/9/2010	<0.0025			<0.0025	
4/28/2011				<0.0025	
4/29/2011		<0.0025	<0.0025		<0.0025
4/30/2011	<0.0025				
10/27/2011					<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025		
10/29/2011				<0.0025	
5/2/2012	<0.0025	<0.0025	<0.0025		
5/3/2012				<0.0025	
5/4/2012					<0.0025
11/9/2012	<0.0025	<0.0025	0.0021	<0.0025	
11/11/2012					<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025		
5/9/2013				<0.0025	<0.0025
11/5/2013	<0.0025			<0.0025	<0.0025
11/6/2013		<0.0025	<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025		
5/21/2014					<0.0025
5/23/2014				<0.0025	
11/8/2014		<0.0025	<0.0025		
11/12/2014	<0.0025				<0.0025
11/13/2014				<0.0025	
5/22/2015	<0.0025	<0.0025	<0.0025		
5/23/2015				<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025		
11/11/2015	<0.0025			<0.0025	
11/12/2015					<0.0025
4/6/2016	<0.0025	<0.0025	<0.0025		
4/12/2016				<0.0025	
4/13/2016					<0.0025 (D)
6/15/2016	<0.0025	<0.0025	<0.0025		
6/16/2016				<0.0025	
6/21/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025		
8/11/2016				<0.0025	
8/15/2016					<0.0025
10/4/2016	<0.0025	<0.0025		<0.0025	
10/5/2016			<0.0025		<0.0025
11/29/2016		<0.0025	<0.0025		
11/30/2016	<0.0025			<0.0025	

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2017					<0.0025
4/4/2017	<0.0025	<0.0025	<0.0025		
4/5/2017				<0.0025	
4/6/2017					<0.0025
6/20/2017	<0.0025	<0.0025	<0.0025	<0.0025	
6/21/2017					<0.0025
10/4/2017	<0.0025			<0.0025	
10/5/2017		<0.0025	<0.0025		<0.0025
3/20/2018	<0.0025 (D)	<0.0025	<0.0025	<0.0025	
3/21/2018					<0.0025
10/2/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/27/2019					<0.0025
9/10/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019					<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.0025	<0.0025	<0.0025	
5/10/2010	<0.0025				<0.0025
6/16/2010	<0.0025				<0.0025
6/18/2010		<0.0025	<0.0025	<0.0025	
7/26/2010					<0.0025
7/27/2010	<0.0025	<0.0025			
7/28/2010				<0.0025	
7/29/2010			<0.0025		
9/7/2010					<0.0025
9/8/2010	<0.0025	<0.0025			
9/9/2010			<0.0025	<0.0025	
4/26/2011			<0.0025		
4/29/2011	<0.0025	<0.0025			<0.0025
4/30/2011				<0.0025	
10/27/2011	<0.0025				
10/28/2011		<0.0025	<0.0025	<0.0025	<0.0025
5/2/2012					<0.0025
5/3/2012		<0.0025		<0.0025	
5/4/2012	<0.0025		<0.0025		
11/9/2012					<0.0025
11/10/2012	<0.0025	<0.0025		<0.0025	
11/11/2012			<0.0025		
5/8/2013			<0.0025	<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025			
11/5/2013				<0.0025	
11/6/2013	<0.0025	<0.0025			<0.0025
11/7/2013			<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/23/2014					<0.0025
11/8/2014					<0.0025
11/12/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/22/2015					<0.0025
5/23/2015		<0.0025			
5/24/2015	<0.0025		<0.0025	<0.0025	
11/10/2015					<0.0025
11/11/2015				<0.0025	
11/12/2015	<0.0025	<0.0025	<0.0025		
4/11/2016					<0.0025
4/13/2016	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	
6/16/2016					<0.0025
6/21/2016	<0.0025	<0.0025	<0.0025	<0.0025	
8/11/2016					<0.0025
8/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
10/4/2016				<0.0025	
10/5/2016	<0.0025	<0.0025			<0.0025
10/7/2016			<0.0025		
11/29/2016					<0.0025
12/1/2016	<0.0025	<0.0025	<0.0025	<0.0025	
2/7/2017				<0.0025	
2/8/2017	<0.0025	<0.0025			<0.0025
2/9/2017			<0.0025		
4/5/2017		<0.0025			

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025
6/20/2017	<0.0025	<0.0025		<0.0025	
6/21/2017					<0.0025
6/22/2017			<0.0025		
10/5/2017	<0.0025	<0.0025		<0.0025	<0.0025
10/6/2017			<0.0025		
3/20/2018				<0.0025	<0.0025
3/21/2018	<0.0025	<0.0025 (D)			
3/22/2018			<0.0025		
10/2/2018	<0.0025	<0.0025		<0.0025	<0.0025
10/3/2018			<0.0025		
3/26/2019		<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025				
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020				<0.0025	<0.0025
9/10/2020	<0.0025	<0.0025	<0.0025		
4/1/2021	<0.0025	<0.0025		<0.0025	<0.0025
4/6/2021			<0.0025		

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/16/2010	<0.0025				
6/17/2010			<0.0025	<0.0025	<0.0025
6/19/2010		<0.0025			
7/27/2010	<0.0025	<0.0025	<0.0025		
7/28/2010				<0.0025	<0.0025
9/7/2010	<0.0025		<0.0025	<0.0025	
9/8/2010					<0.0025
9/9/2010		<0.0025			
4/28/2011		<0.0025			<0.0025
4/29/2011	<0.0025		<0.0025	<0.0025	
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	
10/29/2011					<0.0025
5/2/2012	<0.0025				
5/3/2012		<0.0025	<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025		<0.0025	
11/10/2012			<0.0025		<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		
5/10/2013				<0.0025	<0.0025
11/5/2013		<0.0025			
11/6/2013	<0.0025		<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025				
11/9/2014			<0.0025	<0.0025	<0.0025
11/13/2014		<0.0025			
5/22/2015				<0.0025	<0.0025
5/23/2015	<0.0025				
5/24/2015		<0.0025	<0.0025		
11/10/2015	<0.0025		<0.0025	<0.0025	
11/11/2015		<0.0025			<0.0025
4/11/2016	<0.0025				
4/12/2016		<0.0025	<0.0025	<0.0025 (D)	<0.0025
6/16/2016	<0.0025	<0.0025	<0.0025		
6/20/2016				<0.0025	<0.0025
8/11/2016	<0.0025	<0.0025	<0.0025		
8/12/2016				<0.0025	<0.0025
10/4/2016		<0.0025			
10/5/2016	<0.0025		<0.0025	<0.0025	
10/6/2016					<0.0025
11/29/2016	<0.0025				
11/30/2016		<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017		<0.0025			
2/8/2017	<0.0025		<0.0025	<0.0025	<0.0025
4/5/2017	<0.0025				
4/6/2017		<0.0025	<0.0025	<0.0025	<0.0025
6/20/2017		<0.0025			
6/21/2017	<0.0025		<0.0025	<0.0025	
6/22/2017					<0.0025
10/4/2017		<0.0025			
10/5/2017	<0.0025		<0.0025	<0.0025	
10/6/2017					<0.0025
3/20/2018	<0.0025	<0.0025			

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0025	<0.0025	<0.0025
10/2/2018	<0.0025	<0.0025			
10/3/2018			<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2019		<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025		<0.0025		
3/18/2020		<0.0025		<0.0025	
3/19/2020	<0.0025		<0.0025		<0.0025
9/9/2020	<0.0025	<0.0025			
9/10/2020			<0.0025	<0.0025	<0.0025
4/1/2021		<0.0025			
4/2/2021					<0.0025
4/5/2021	<0.0025		<0.0025		
4/6/2021				<0.0025	



# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0025	<0.0025	<0.0025
5/11/2010	<0.0025	<0.0025			
6/16/2010					<0.0025
6/18/2010	<0.0025	<0.0025	<0.0025		
6/19/2010				<0.0025	
7/27/2010	<0.0025	<0.0025			<0.0025
7/28/2010			<0.0025	<0.0025	
9/8/2010				<0.0025	<0.0025
9/9/2010	<0.0025	<0.0025	<0.0025		
4/29/2011	<0.0025				<0.0025
4/30/2011		<0.0025	<0.0025	<0.0025	
10/27/2011				<0.0025	<0.0025
10/28/2011	<0.0025				
10/29/2011		<0.0025	<0.0025		
5/3/2012					<0.0025
5/4/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2012	<0.0025	<0.0025	<0.0025		
11/11/2012				<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		<0.0025
5/10/2013				<0.0025	
11/6/2013	<0.0025				<0.0025
11/7/2013		<0.0025	<0.0025	<0.0025	
5/21/2014		<0.0025	<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025				
11/9/2014	<0.0025	<0.0025			
11/12/2014			<0.0025		<0.0025
11/13/2014				<0.0025	
5/23/2015				<0.0025	<0.0025
5/24/2015	<0.0025	<0.0025	<0.0025		
11/11/2015	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015					<0.0025
4/12/2016		<0.0025			
4/13/2016			<0.0025 (D)		<0.0025 (D)
4/19/2016	<0.0025			<0.0025	
6/20/2016		<0.0025	<0.0025		
6/22/2016	<0.0025				<0.0025
8/12/2016		<0.0025			
8/15/2016			<0.0025		<0.0025
8/16/2016	<0.0025				
10/6/2016	<0.0025	<0.0025	<0.0025		<0.0025
10/10/2016				<0.0025	
11/30/2016		<0.0025			
12/1/2016	<0.0025		<0.0025	<0.0025	<0.0025
2/8/2017					<0.0025
2/9/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2017	<0.0025	<0.0025			<0.0025
4/7/2017			<0.0025	<0.0025	
6/21/2017	<0.0025	<0.0025		<0.0025	<0.0025
6/22/2017			<0.0025		
8/15/2017				<0.0025	
9/1/2017				<0.0025	
10/5/2017	<0.0025				<0.0025

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0025	<0.0025		
10/9/2017				<0.0025	
3/21/2018		<0.0025			<0.0025
3/22/2018	<0.0025		<0.0025	<0.0025	
10/2/2018					<0.0025
10/3/2018	<0.0025	<0.0025			
10/4/2018			<0.0025	<0.0025	
3/26/2019		<0.0025			
3/27/2019	<0.0025		<0.0025	<0.0025	<0.0025
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025		<0.0025	<0.0025
3/19/2020			<0.0025		
9/9/2020	<0.0025			<0.0025	<0.0025
9/10/2020		<0.0025	0.00018 (J)		
4/1/2021	<0.0025		<0.0025		<0.0025
4/5/2021		<0.0025		0.00038 (J)	

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	<0.08	<0.08	<0.08		
4/12/2016				<0.08	
4/13/2016					<0.08 (D)
6/15/2016	<0.08	<0.08	0.0028 (J)		
6/16/2016				<0.08	
6/21/2016					<0.08
8/10/2016	<0.08	<0.08	<0.08		
8/11/2016				<0.08	
8/15/2016					<0.08
10/4/2016	<0.08	<0.08		<0.08	
10/5/2016			<0.08		<0.08
11/29/2016		<0.08	<0.08		
11/30/2016	<0.08			<0.08	
12/1/2016					<0.08
2/7/2017	<0.08	<0.08	<0.08	<0.08	
2/8/2017					<0.08
4/4/2017	<0.08	<0.08	<0.08		
4/5/2017				<0.08	
4/6/2017					<0.08
6/20/2017	<0.08	<0.08	<0.08	<0.08	
6/21/2017					<0.08
10/4/2017	<0.08			<0.08	
10/5/2017		<0.08	<0.08		<0.08
3/20/2018	<0.08 (D)	<0.08	<0.08	<0.08	
3/21/2018					<0.08
10/2/2018	<0.08	<0.08	<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08	<0.08	
3/27/2019					<0.08
9/10/2019	<0.08	<0.08	<0.08	<0.08	
9/11/2019					<0.08
3/18/2020	<0.08	<0.08	<0.08	<0.08	<0.08
9/9/2020	<0.08	<0.08	<0.08	<0.08	<0.08
4/1/2021	<0.08	<0.08	<0.08	0.053 (J)	<0.08

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					<0.08
4/13/2016	<0.08 (D)	<0.08 (D)	<0.08 (D)	<0.08 (D)	
6/16/2016					<0.08
6/21/2016	<0.08	<0.08	<0.08	<0.08	
8/11/2016					<0.08
8/15/2016	<0.08	<0.08	<0.08	<0.08	
10/4/2016				<0.08	
10/5/2016	<0.08	<0.08			<0.08
10/7/2016			<0.08		
11/29/2016					<0.08
12/1/2016	<0.08	<0.08	<0.08	<0.08	
2/7/2017				<0.08	
2/8/2017	<0.08	<0.08			<0.08
2/9/2017			<0.08		
4/5/2017		<0.08			
4/6/2017	<0.08		<0.08	<0.08	<0.08
6/20/2017	<0.08	<0.08		<0.08	
6/21/2017					<0.08
6/22/2017			<0.08		
10/5/2017	<0.08	<0.08		<0.08	<0.08
10/6/2017			<0.08		
3/20/2018				<0.08	<0.08
3/21/2018	<0.08	<0.08 (D)			
3/22/2018			<0.08		
10/2/2018	<0.08	<0.08		<0.08	<0.08
10/3/2018			<0.08		
3/26/2019		<0.08	<0.08	<0.08	<0.08
3/27/2019	<0.08				
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08
3/18/2020	<0.08	<0.08	<0.08	<0.08	<0.08
9/9/2020				<0.08	<0.08
9/10/2020	<0.08	<0.08	<0.08		
4/1/2021	<0.08	<0.08		<0.08	<0.08
4/6/2021			0.056 (J)		

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	<0.08				
4/12/2016		<0.08	<0.08	<0.08 (D)	<0.08
6/16/2016	<0.08	<0.08	<0.08		
6/20/2016				<0.08	<0.08
8/11/2016	<0.08	<0.08	<0.08		
8/12/2016				<0.08	<0.08
10/4/2016		<0.08			
10/5/2016	<0.08		<0.08	<0.08	
10/6/2016					<0.08
11/29/2016	<0.08				
11/30/2016		<0.08	<0.08	<0.08	<0.08
2/7/2017		<0.08			
2/8/2017	<0.08		<0.08	<0.08	<0.08
4/5/2017	<0.08				
4/6/2017		<0.08	<0.08	<0.08	<0.08
6/20/2017		<0.08			
6/21/2017	<0.08		<0.08	<0.08	
6/22/2017					<0.08
10/4/2017		<0.08			
10/5/2017	<0.08		<0.08	<0.08	
10/6/2017					<0.08
3/20/2018	<0.08	<0.08			
3/21/2018			<0.08	<0.08	<0.08
10/2/2018	<0.08	<0.08			
10/3/2018			<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/10/2019		<0.08		<0.08	<0.08
9/12/2019	<0.08		<0.08		
3/18/2020		<0.08		<0.08	
3/19/2020	<0.08		<0.08		<0.08
9/9/2020	<0.08	<0.08			
9/10/2020			<0.08	<0.08	<0.08
4/1/2021		<0.08			
4/2/2021					<0.08
4/5/2021	<0.08		<0.08		
4/6/2021				0.078 (J)	

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		<0.08			
4/13/2016			<0.08 (D)		0.0774 (JD)
4/19/2016	<0.08			0.145	
6/20/2016		<0.08	<0.08		
6/22/2016	0.238				0.0663 (J)
8/12/2016		<0.08			
8/15/2016			<0.08		0.093
8/16/2016	0.39				
10/6/2016	0.34	<0.08	<0.08		0.096
10/10/2016				0.12	
11/30/2016		<0.08			
12/1/2016	0.37		<0.08	0.12	0.12
2/8/2017					0.094
2/9/2017	0.38	<0.08	<0.08	0.13	
4/6/2017	0.4	<0.08			0.11
4/7/2017			<0.08	0.21	
6/21/2017	0.39	<0.08		0.23	0.1
6/22/2017			<0.08		
8/15/2017				0.27	
9/1/2017				0.24	
10/5/2017	0.47				0.083
10/6/2017		<0.08	<0.08		
3/21/2018		<0.08			0.089
3/22/2018	0.48		<0.08	0.25	
10/2/2018					0.083
10/3/2018	0.47	<0.08			
10/4/2018			<0.08	0.21	
3/26/2019		<0.08			
3/27/2019	0.33		<0.08	0.16	0.067
9/11/2019	0.31	<0.08	<0.08	0.21	0.083
3/18/2020	0.26	<0.08		0.16	0.058 (J)
3/19/2020			<0.08		
9/9/2020	0.24			0.13	0.088
9/10/2020		<0.08	<0.08		
4/1/2021	0.23		<0.08		0.059 (J)
4/5/2021		0.042 (J)		0.18	

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0025		
5/9/2010	<0.0025	<0.0025			
5/10/2010					<0.0025
5/11/2010				<0.0025	
6/16/2010		<0.0025	<0.0025		<0.0025
6/17/2010				<0.0025	
6/18/2010	<0.0025				
7/26/2010			<0.0025		
7/27/2010		<0.0025		<0.0025	
7/28/2010	<0.0025				<0.0025
9/7/2010		<0.0025	<0.0025		
9/8/2010					<0.0025
9/9/2010	<0.0025			<0.0025	
4/28/2011				<0.0025	
4/29/2011		<0.0025	<0.0025		<0.0025
4/30/2011	<0.0025				
10/27/2011					<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025		
10/29/2011				<0.0025	
5/2/2012	<0.0025	<0.0025	<0.0025		
5/3/2012				<0.0025	
5/4/2012					<0.0025
11/9/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/11/2012					<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025		
5/9/2013				<0.0025	<0.0025
11/5/2013	<0.0025			<0.0025	<0.0025
11/6/2013		<0.0025	<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025		
5/21/2014					<0.0025
5/23/2014				<0.0025	
11/8/2014		<0.0025	<0.0025		
11/12/2014	<0.0025				<0.0025
11/13/2014				<0.0025	
5/22/2015	<0.0025	<0.0025	<0.0025		
5/23/2015				<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025		
11/11/2015	<0.0025			<0.0025	
11/12/2015					<0.0025
4/6/2016	<0.0025	<0.0025	<0.0025		
4/12/2016				<0.0025	
4/13/2016					<0.0025 (D)
6/15/2016	<0.0025	<0.0025	<0.0025		
6/16/2016				<0.0025	
6/21/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025		
8/11/2016				<0.0025	
8/15/2016					<0.0025
10/4/2016	<0.0025	<0.0025		<0.0025	
10/5/2016			<0.0025		<0.0025
11/29/2016		<0.0025	<0.0025		
11/30/2016	<0.0025			<0.0025	

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2017					<0.0025
4/4/2017	<0.0025	<0.0025	<0.0025		
4/5/2017				<0.0025	
4/6/2017					<0.0025
6/20/2017	<0.0025	<0.0025	<0.0025	<0.0025	
6/21/2017					<0.0025
10/4/2017	<0.0025			<0.0025	
10/5/2017		<0.0025	<0.0025		<0.0025
3/20/2018	<0.0025 (D)	<0.0025	<0.0025	<0.0025	
3/21/2018					<0.0025
10/2/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/27/2019					<0.0025
9/10/2019	<0.0025	<0.0025	0.00013 (J)	<0.0025	
9/11/2019					<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025



# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.0025	<0.0025	<0.0025	
5/10/2010	<0.0025				<0.0025
6/16/2010	<0.0025				<0.0025
6/18/2010		<0.0025	<0.0025	<0.0025	
7/26/2010					<0.0025
7/27/2010	<0.0025	<0.0025			
7/28/2010				<0.0025	
7/29/2010			<0.0025		
9/7/2010					<0.0025
9/8/2010	<0.0025	<0.0025			
9/9/2010			<0.0025	<0.0025	
4/26/2011			<0.0025		
4/29/2011	<0.0025	<0.0025			<0.0025
4/30/2011				<0.0025	
10/27/2011	<0.0025				
10/28/2011		<0.0025	<0.0025	<0.0025	<0.0025
5/2/2012					<0.0025
5/3/2012		<0.0025		<0.0025	
5/4/2012	<0.0025		<0.0025		
11/9/2012					<0.0025
11/10/2012	<0.0025	<0.0025		<0.0025	
11/11/2012			<0.0025		
5/8/2013			<0.0025	<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025			
11/5/2013				<0.0025	
11/6/2013	<0.0025	<0.0025			<0.0025
11/7/2013			<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/23/2014					<0.0025
11/8/2014					<0.0025
11/12/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/22/2015					<0.0025
5/23/2015		<0.0025			
5/24/2015	<0.0025		<0.0025	<0.0025	
11/10/2015					<0.0025
11/11/2015				<0.0025	
11/12/2015	<0.0025	<0.0025	<0.0025		
4/11/2016					<0.0025
4/13/2016	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	
6/16/2016					<0.0025
6/21/2016	<0.0025	<0.0025	<0.0025	<0.0025	
8/11/2016					<0.0025
8/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
10/4/2016				<0.0025	
10/5/2016	<0.0025	<0.0025			<0.0025
10/7/2016			<0.0025		
11/29/2016					<0.0025
12/1/2016	<0.0025	<0.0025	<0.0025	<0.0025	
2/7/2017				<0.0025	
2/8/2017	<0.0025	<0.0025			<0.0025
2/9/2017			<0.0025		
4/5/2017		<0.0025			

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025
6/20/2017	<0.0025	<0.0025		<0.0025	
6/21/2017					<0.0025
6/22/2017			<0.0025		
10/5/2017	<0.0025	<0.0025		<0.0025	<0.0025
10/6/2017			<0.0025		
3/20/2018				<0.0025	<0.0025
3/21/2018	<0.0025	<0.0025 (D)			
3/22/2018			<0.0025		
10/2/2018	<0.0025	<0.0025		<0.0025	<0.0025
10/3/2018			<0.0025		
3/26/2019		<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025				
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020				<0.0025	<0.0025
9/10/2020	0.001 (J)	<0.0025	<0.0025		
4/1/2021	<0.0025	<0.0025		<0.0025	<0.0025
4/6/2021			<0.0025		

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/16/2010	<0.0025				
6/17/2010			<0.0025	<0.0025	<0.0025
6/19/2010		<0.0025			
7/27/2010	<0.0025	<0.0025	<0.0025		
7/28/2010				<0.0025	<0.0025
9/7/2010	<0.0025		<0.0025	<0.0025	
9/8/2010					<0.0025
9/9/2010		<0.0025			
4/28/2011		<0.0025			<0.0025
4/29/2011	<0.0025		<0.0025	<0.0025	
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	
10/29/2011					<0.0025
5/2/2012	<0.0025				
5/3/2012		<0.0025	<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025		<0.0025	
11/10/2012			<0.0025		<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		
5/10/2013				<0.0025	<0.0025
11/5/2013		<0.0025			
11/6/2013	<0.0025		<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025				
11/9/2014			<0.0025	<0.0025	<0.0025
11/13/2014		<0.0025			
5/22/2015				<0.0025	<0.0025
5/23/2015	<0.0025				
5/24/2015		<0.0025	<0.0025		
11/10/2015	<0.0025		<0.0025	<0.0025	
11/11/2015		<0.0025			<0.0025
4/11/2016	<0.0025				
4/12/2016		<0.0025	<0.0025	<0.0025 (D)	<0.0025
6/16/2016	<0.0025	<0.0025	<0.0025		
6/20/2016				<0.0025	<0.0025
8/11/2016	<0.0025	<0.0025	<0.0025		
8/12/2016				<0.0025	<0.0025
10/4/2016		<0.0025			
10/5/2016	<0.0025		<0.0025	<0.0025	
10/6/2016					<0.0025
11/29/2016	<0.0025				
11/30/2016		<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017		<0.0025			
2/8/2017	<0.0025		<0.0025	<0.0025	<0.0025
4/5/2017	<0.0025				
4/6/2017		<0.0025	<0.0025	<0.0025	<0.0025
6/20/2017		<0.0025			
6/21/2017	<0.0025		<0.0025	<0.0025	
6/22/2017					<0.0025
10/4/2017		<0.0025			
10/5/2017	<0.0025		<0.0025	<0.0025	
10/6/2017					<0.0025
3/20/2018	<0.0025	<0.0025			

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0025	<0.0025	<0.0025
10/2/2018	<0.0025	<0.0025			
10/3/2018			<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2019		<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025		<0.0025		
3/18/2020		<0.0025		<0.0025	
3/19/2020	<0.0025		<0.0025		<0.0025
9/9/2020	<0.0025	<0.0025			
9/10/2020			<0.0025	<0.0025	<0.0025
4/1/2021		0.00038 (J)			
4/2/2021					<0.0025
4/5/2021	<0.0025		<0.0025		
4/6/2021				<0.0025	

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0025	<0.0025	<0.0025
5/11/2010	<0.0025	<0.0025			
6/16/2010					<0.0025
6/18/2010	<0.0025	<0.0025	<0.0025		
6/19/2010				<0.0025	
7/27/2010	<0.0025	<0.0025			<0.0025
7/28/2010			<0.0025	<0.0025	
9/8/2010				0.001	<0.0025
9/9/2010	<0.0025	<0.0025	<0.0025		
4/29/2011	<0.0025				<0.0025
4/30/2011		<0.0025	<0.0025	0.0014	
10/27/2011				0.0011	<0.0025
10/28/2011	<0.0025				
10/29/2011		<0.0025	<0.0025		
5/3/2012					<0.0025
5/4/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2012	<0.0025	<0.0025	<0.0025		
11/11/2012				<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		<0.0025
5/10/2013				0.0016	
11/6/2013	<0.0025				<0.0025
11/7/2013		<0.0025	<0.0025	0.001	
5/21/2014		<0.0025	<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025				
11/9/2014	<0.0025	<0.0025			
11/12/2014			<0.0025		<0.0025
11/13/2014				<0.0025	
5/23/2015				<0.0025	<0.0025
5/24/2015	<0.0025	<0.0025	<0.0025		
11/11/2015	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015					<0.0025
4/12/2016		<0.0025			
4/13/2016			<0.0025 (D)		<0.0025 (D)
4/19/2016	<0.0025			0.000379 (J)	
6/20/2016		<0.0025	<0.0025		
6/22/2016	<0.0025				<0.0025
8/12/2016		<0.0025			
8/15/2016			<0.0025		<0.0025
8/16/2016	<0.0025				
10/6/2016	<0.0025	<0.0025	<0.0025		<0.0025
10/10/2016				<0.0025	
11/30/2016		<0.0025			
12/1/2016	<0.0025		<0.0025	<0.0025	<0.0025
2/8/2017					<0.0025
2/9/2017	<0.0025	<0.0025	<0.0025	0.00037 (J)	
4/6/2017	<0.0025	<0.0025			<0.0025
4/7/2017			<0.0025	<0.0025	
6/21/2017	<0.0025	<0.0025		<0.0025	<0.0025
6/22/2017			<0.0025		
8/15/2017				<0.0025	
9/1/2017				<0.0025	
10/5/2017	<0.0025				<0.0025

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0025	<0.0025		
10/9/2017				<0.0025	
3/21/2018		<0.0025			<0.0025
3/22/2018	<0.0025		<0.0025	<0.0025	
10/2/2018					<0.0025
10/3/2018	<0.0025	<0.0025			
10/4/2018			<0.0025	<0.0025	
3/26/2019		<0.0025			
3/27/2019	<0.0025		<0.0025	<0.0025	<0.0025
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025		<0.0025	<0.0025
3/19/2020			<0.0025		
9/9/2020	<0.0025			<0.0025	<0.0025
9/10/2020		<0.0025	<0.0025		
4/1/2021	<0.0025		<0.0025		<0.0025
4/5/2021		<0.0025		0.0003 (J)	

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	3.62	12.1	6.58		
4/12/2016				17.1	
4/13/2016					15.6 (D)
6/15/2016	4.5	11.8	6.9		
6/16/2016				19.8	
6/21/2016					14.4
8/10/2016	3.8	10	5.5		
8/11/2016				15	
8/15/2016					14
10/4/2016	5.3	14		17	
10/5/2016			6.8		17
11/29/2016		10	4.8		
11/30/2016	4.7			16	
12/1/2016					15
2/7/2017	3.8	12	7.8	17	
2/8/2017					17
4/4/2017	3.8	11	6.4		
4/5/2017				16	
4/6/2017					16
6/20/2017	4.1	11	7	17	
6/21/2017					16 (D)
10/4/2017	4.6			19	
10/5/2017		13	6.6		19
3/20/2018	4.2 (D)	12	6.6	18	
3/21/2018					17
10/2/2018	4.2	11	5.8	16	17
3/26/2019	4	11	6.7	16	
3/27/2019					16
9/10/2019	4.8	12	7.5	17	
9/11/2019					18
3/18/2020	3.8	12	7.3	19	20
9/9/2020	4	11	7.3	17	20
4/1/2021	4	12	7.8	18	19

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					10.5
4/13/2016	12.8 (D)	1.18 (D)	5.71 (D)	6.55 (D)	
6/16/2016					11.6
6/21/2016	11.6	1.12	5.54	6.04	
8/11/2016					10
8/15/2016	11	0.95	5.8	5.9	
10/4/2016				6.6	
10/5/2016	14	1			11
10/7/2016			6.1		
11/29/2016					9.6
12/1/2016	12	0.92	5.8	5.4	
2/7/2017				6.1	
2/8/2017	13	1.2			10
2/9/2017			6.3		
4/5/2017		1.1			
4/6/2017	12		5.8	6.1	9.7
6/20/2017	13	0.96		6.6	
6/21/2017					9.7 (D)
6/22/2017			6.4 (D)		
10/5/2017	14	1.1		7.2	11
10/6/2017			7.4		
3/20/2018				6.6	11
3/21/2018	13	1.3 (D)			
3/22/2018			6.8		
10/2/2018	12	0.86		6.5	9.6
10/3/2018			6.4		
3/26/2019		1.1	6.3	6.4	9.6
3/27/2019	12				
9/11/2019	13	0.94	7	7.3	10
3/18/2020	14	1.6	9.3	6.9	11
9/9/2020				6.5	10
9/10/2020	13	1.1	6.7		
4/1/2021	13	1.2		6.2	11
4/6/2021			7.4		



# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	10.4				
4/12/2016		17	13.5	8.52 (D)	11
6/16/2016	12.2	19.7	15		
6/20/2016				7.7	10.1
8/11/2016	9.5	15	12		
8/12/2016				7.3	9.9
10/4/2016		18			
10/5/2016	11		14	8.4	
10/6/2016					12
11/29/2016	9.8				
11/30/2016		16	12	8	11
2/7/2017		18			
2/8/2017	10		14	9.3	13
4/5/2017	10				
4/6/2017		16	13	8.1	12
6/20/2017		17			
6/21/2017	10 (D)		13 (D)	9.2 (D)	
6/22/2017					13 (D)
10/4/2017		19			
10/5/2017	12		15	10	
10/6/2017					15
3/20/2018	12	18			
3/21/2018			14	9.3	15
10/2/2018	11	16			
10/3/2018			13	7.5	13
3/26/2019	11	17	12	7.3	13
9/10/2019		18		6.6	12
9/12/2019	14		14		
3/18/2020		18		5.9	
3/19/2020	14		14		14
9/9/2020	15	17			
9/10/2020			13	6.3	13
4/1/2021		17			
4/2/2021					15
4/5/2021	15		14		
4/6/2021				7.4	

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		17.8			
4/13/2016			14 (D)		18 (D)
4/19/2016	198			20	
6/20/2016		19.5	13.8		
6/22/2016	132				16.7
8/12/2016		17			
8/15/2016			13		16
8/16/2016	94				
10/6/2016	100	19	14		17
10/10/2016				19	
11/30/2016		19			
12/1/2016	100		13	18	17
2/8/2017					18
2/9/2017	120	18	14	20	
4/6/2017	140	18			17
4/7/2017			14	27	
6/21/2017	160 (D)	19 (D)		27 (D)	17 (D)
6/22/2017			14 (D)		
8/15/2017				29	
9/1/2017				32	
10/5/2017	130				19
10/6/2017		19	16		
3/21/2018		19			19
3/22/2018	130		15	30	
10/2/2018					16
10/3/2018	88	16			
10/4/2018			13	37	
3/26/2019		16			
3/27/2019	75		14	47	16
9/11/2019	46	19	14	37	17
3/18/2020	61	15		53	16
3/19/2020			15		
9/9/2020	35			64	16
9/10/2020		16	15		
4/1/2021	40		15		16
4/5/2021		16		52	

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	5.342	1.789	1.69		
4/12/2016				4.32	
4/13/2016					2.04 (D)
6/15/2016	5.2	2.1	1.9		
6/16/2016				3.8	
6/21/2016					2.2
8/10/2016	5.5	1.8	1.7		
8/11/2016				4	
8/15/2016					2.2
10/4/2016	5.4	1.7		3.6	
10/5/2016			1.6		2.1
11/29/2016		1.7	1.7		
11/30/2016	5.4			3.8	
12/1/2016					2.1
2/7/2017	5.1	1.6	1.6	4.3	
2/8/2017					2.3
4/4/2017	5.1	1.6	1.5		
4/5/2017				4.1	
4/6/2017					2.2
6/20/2017	5.2	1.6	1.5	3.9	
6/21/2017					2.3
10/4/2017	5.2			3.6	
10/5/2017		1.5	1.5		2.3
3/20/2018	5.6 (D)	1.5	1.4	3.9	
3/21/2018					2.3
10/2/2018	6.3	1.6	1.5	3.7	2.6
3/26/2019	5.5	1.5	1.3	3.6	
3/27/2019					2.4
9/10/2019	5.2	1.4	1.3	2.9	
9/11/2019					2.9
3/18/2020	5.4	1.7	2	4.2	4.1
9/9/2020	6.1	1.6	1.3	3.9	4.3
4/1/2021	7	1.8	1.5	4.2	4.4

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					2.53
4/13/2016	1.78 (D)	1.8 (D)	1.82 (D)	2.71 (D)	
6/16/2016					2.5
6/21/2016	2	2	1.9	3	
8/11/2016					2.6
8/15/2016	1.9	1.8	1.6	3.1	
10/4/2016				3	
10/5/2016	1.8	1.7			2.5
10/7/2016			1.5		
11/29/2016					2.4
12/1/2016	1.8	1.7	1.4	3.1	
2/7/2017				2.9	
2/8/2017	1.8	1.7			2.5
2/9/2017			1.5		
4/5/2017		1.7			
4/6/2017	1.7		1.4	2.7	2.4
6/20/2017	1.7	1.6		2.9	
6/21/2017					2.4
6/22/2017			1.5		
10/5/2017	1.7	1.6		2.8	2.3
10/6/2017			1.3		
3/20/2018				2.7	2.3
3/21/2018	1.6	1.6 (D)			
3/22/2018			1.4		
10/2/2018	1.7	1.6		3	2.5
10/3/2018			1.5		
3/26/2019		1.7	1.6	2.5	2.7
3/27/2019	1.5				
9/11/2019	1.8	1.9	1.5	3.1	2.6
3/18/2020	1.9	2.1	1.6	3	2.7
9/9/2020				2.9	2.8
9/10/2020	1.9	1.8	1.7		
4/1/2021	1.9	2		3.8	2.8
4/6/2021			1.8		

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	1.84				
4/12/2016		2.34	2.03	3.04 (D)	4.57
6/16/2016	1.9	2.4	2.2		
6/20/2016				3.1	3.1
8/11/2016	1.9	2.4	2.1		
8/16/2016				3.2	3.2
10/4/2016		2.2			
10/5/2016	1.7		1.9	3.2	
10/6/2016					3.4
11/29/2016	1.7				
11/30/2016		2.2	2	3.3	4.1
2/7/2017		2.1			
2/8/2017	1.7		2	3.5	7.2
4/5/2017	1.7				
4/6/2017		2.1	<1	3.4	7.4
6/20/2017		2.1			
6/21/2017	1.7		1.9	3.5	
6/22/2017					7.8
10/4/2017		2			
10/5/2017	1.6		1.9	3.5	
10/6/2017					9.1
3/20/2018	1.6	2			
3/21/2018			1.8	3.4	13
10/2/2018	1.7	2			
10/3/2018			2	3.5	13
3/26/2019	1.8	1.9	1.9	3	9.2
9/10/2019		1.7		2.5	5.1
9/12/2019	1.5		1.6		
3/18/2020		2.4		2.8	
3/19/2020	2.2		2.2		8.7
9/9/2020	2.4	2			
9/10/2020			2.1	2.7	9.7
4/1/2021		2.5			
4/2/2021					11
4/6/2021				2.9	
6/1/2021	2.6		2.1		

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/13/2016			1.68 (D)		3.64 (D)
4/19/2016	124 (o)			6.9	
6/20/2016		6.8	2		
6/22/2016	81				3.8
8/15/2016			1.8		3.7
8/16/2016	71	7.6			
10/6/2016	68	7.3	1.7		3.4
10/10/2016				7.2	
11/30/2016		7.1			
12/1/2016	74		1.7	7.1	4
2/8/2017					4
2/9/2017	76	5.8	1.7	7.2	
4/6/2017	92	5.7			4
4/7/2017			1.7	7.5	
6/21/2017	100	6.1		7.6	3.3
6/22/2017			1.6		
8/15/2017				7.8	
9/1/2017				7.6	
10/5/2017	67				3.3
10/6/2017		5.1	1.6		
3/21/2018		5.4			3.6
3/22/2018	74		1.6	7	
10/2/2018					3.1
10/3/2018	46	5.7			
10/4/2018			1.7	6.1	
3/26/2019		4.2			
3/27/2019	42		1.7	6.6	3
9/11/2019	19	7.2	2.1	7	3.4
3/18/2020	30	4		8.5	3.4
3/19/2020			2.1		
9/9/2020	8.7			11	3.2
9/10/2020		6.3	2.5		
4/1/2021	18		2.9		4.3
6/1/2021				9.4	
6/2/2021		6.3			

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			0.0032 (J)		
5/9/2010	<0.002	0.003 (J)			
5/10/2010					0.011
5/11/2010				0.0077	
6/16/2010		0.0042 (J)	0.0037 (J)		0.0095
6/17/2010				0.0053	
6/18/2010	<0.002				
7/26/2010			0.0058		
7/27/2010		0.0048 (J)		0.0085	
7/28/2010	<0.002				0.01
9/7/2010		0.0037 (J)	0.0078		
9/8/2010					0.011
9/9/2010	<0.002			0.0076	
4/28/2011				0.0048 (J)	
4/29/2011		0.0046 (J)	0.005		0.0096
4/30/2011	<0.002				
10/27/2011					0.011
10/28/2011	<0.002	0.005	0.0068		
10/29/2011				0.0093	
5/2/2012	<0.002	0.0052	0.0065		
5/3/2012				0.01	
5/4/2012					0.01
11/9/2012	<0.002	0.0054	0.006	0.009	
11/11/2012					0.01
5/8/2013	<0.002	0.0058	0.0074		
5/9/2013				0.0085	0.011
11/5/2013	0.0036			0.015	0.015
11/6/2013		0.0062 (J)	0.0082 (J)		
5/20/2014	<0.002	0.0047 (J)	0.0051 (J)		
5/21/2014					0.013
5/23/2014				0.012	
11/8/2014		0.0064 (J)	0.0074 (J)		
11/12/2014	<0.002				0.012
11/13/2014				0.011	
5/22/2015	<0.002	0.0059 (J)	0.0084 (J)		
5/23/2015				0.012	0.014
11/9/2015		0.0043 (J)	0.009 (J)		
11/11/2015	<0.002			0.014	
11/12/2015					0.016
4/6/2016	<0.002	0.00457 (J)	0.00779 (J)		
4/12/2016				0.0135	
4/13/2016					0.0152 (D)
6/15/2016	<0.002	<0.002	<0.002		
6/16/2016				0.014	
6/21/2016					0.016
8/10/2016	<0.002	0.0042	0.0068		
8/11/2016				0.013	
8/15/2016					0.015
10/4/2016	<0.002	0.0052		0.014	
10/5/2016			0.0076		0.016
11/29/2016		0.004	0.0045		
11/30/2016	<0.002			0.013	

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					0.015
2/7/2017	<0.002	0.004	0.0067	0.013	
2/8/2017					0.017
4/4/2017	<0.002	0.0021 (J)	0.0079		
4/5/2017				0.014	
4/6/2017					0.018
6/20/2017	<0.002	0.0046	0.0084	0.013	
6/21/2017					0.017
10/4/2017	<0.002			0.015	
10/5/2017		0.005	0.0061		0.018
3/20/2018	<0.002 (D)	0.0044	0.006	0.013	
3/21/2018					0.017 (J+X)
10/2/2018	<0.002	0.0043	0.0061	0.014	0.018
3/26/2019	<0.002	0.0046	0.0065	0.013	
3/27/2019					0.017
9/10/2019	0.0023 (J)	0.0076	0.012	0.018	
9/11/2019					0.023
3/18/2020	<0.002	0.0044	0.0083	0.014	0.02
9/9/2020	<0.002	0.005	0.0088	0.014	0.018
4/1/2021	<0.002	0.0053	0.0082	0.014	0.02



# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.002	0.0051	<0.002	
5/10/2010	0.011				0.012
6/16/2010	0.012				0.014
6/18/2010		<0.002	0.0043 (J)	<0.002	
7/26/2010					0.013
7/27/2010	0.012	0.002 (J)			
7/28/2010				<0.002	
7/29/2010			0.0058		
9/7/2010					0.015
9/8/2010	0.011	<0.002			
9/9/2010			0.0052	<0.002	
4/26/2011			0.0025 (J)		
4/29/2011	0.01	<0.002			0.014
4/30/2011				<0.002	
10/27/2011	0.0077				
10/28/2011		<0.002	0.0035 (J)	<0.002	0.014
5/2/2012					0.017
5/3/2012		<0.002		<0.002	
5/4/2012	0.0082		0.0073		
11/9/2012					0.014
11/10/2012	0.007	<0.002		<0.002	
11/11/2012			0.004 (J)		
5/8/2013			0.006	<0.002	0.017
5/9/2013	0.0079	<0.002			
11/5/2013				0.0036	
11/6/2013	0.011	0.0031 (J)			0.017
11/7/2013			0.0068 (J)		
5/20/2014	0.0076 (J)	0.002 (J)	0.0039 (J)	<0.002	
5/23/2014					0.013
11/8/2014					0.018
11/12/2014	0.0071 (J)	<0.002	0.0039 (J)	<0.002	
5/22/2015					0.02
5/23/2015		0.0027 (J)			
5/24/2015	0.0083 (J)		0.004 (J)	<0.002	
11/10/2015					0.013
11/11/2015				<0.002	
11/12/2015	0.0069 (J)	0.0022 (J)	0.0077 (J)		
4/11/2016					0.0139
4/13/2016	0.00804 (JD)	<0.002 (D)	0.0038 (JD)	<0.002 (D)	
6/16/2016					0.014
6/21/2016	0.0086 (J)	0.0012 (J)	0.0035 (J)	0.0006 (J)	
8/11/2016					0.016
8/15/2016	0.0073	0.0021 (J)	0.0034	<0.002	
10/4/2016				<0.002	
10/5/2016	0.0077	0.0013 (J)			0.014
10/7/2016			0.0037		
11/29/2016					0.013
12/1/2016	0.0075	0.0015 (J)	0.0037	<0.002	
2/7/2017				<0.002	
2/8/2017	0.0078	0.0016 (J)			0.013
2/9/2017			0.0038		
4/5/2017		0.0014 (J)			

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	0.0079		0.0039	<0.002	0.014
6/20/2017	0.0078	0.0015 (J)		<0.002	
6/21/2017					0.013
6/22/2017			0.0042		
10/5/2017	0.0081	0.0015 (J)		<0.002	0.014
10/6/2017			0.0039		
3/20/2018				<0.002	0.014
3/21/2018	<0.002 (X)	<0.002 (XD)			
3/22/2018			0.028 (O)		
10/2/2018	0.0075	0.0012 (J)		<0.002	0.014
10/3/2018			0.0056		
3/26/2019		0.0013 (J)	0.0048	<0.002	0.014
3/27/2019	0.007				
9/11/2019	0.011	0.0036	0.0075	0.0038	0.017
3/18/2020	0.0086	0.0016 (J)	0.008	<0.002	0.014
9/9/2020				<0.002	0.013
9/10/2020	0.009	<0.002	0.0054		
4/1/2021	0.0078	0.0015 (J)		<0.002	0.014
4/6/2021			0.0061		

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	0.0039 (J)	0.0051	0.0063	0.01	0.0046 (J)
6/16/2010	0.0049 (J)				
6/17/2010			0.0053	0.0087	0.007
6/19/2010		<0.002			
7/27/2010	0.0047 (J)	0.01	0.0064		
7/28/2010				0.028 (O)	0.0084
9/7/2010	0.0057		0.0078	0.022	
9/8/2010					0.0071
9/9/2010		0.0072			
4/28/2011		0.0077			0.008
4/29/2011	0.0087		0.0065	0.0099	
10/28/2011	0.0075	0.011	0.0092	0.0089	
10/29/2011					0.0054
5/2/2012	0.011				
5/3/2012		0.011	0.011	0.0091	0.0065
11/9/2012	0.0076	0.0089		0.008	
11/10/2012			0.0073		0.0059
5/9/2013	0.0088	0.0089	0.0098		
5/10/2013				0.019	0.0083
11/5/2013		0.011			
11/6/2013	0.011		0.011	0.013	0.0099 (J)
5/22/2014	0.0057 (J)	0.01	0.0097 (J)	0.0093 (J)	0.0049 (J)
11/8/2014	0.013				
11/9/2014			0.012	0.0098 (J)	0.0068 (J)
11/13/2014		0.0084 (J)			
5/22/2015				0.01	0.0087 (J)
5/23/2015	0.014				
5/24/2015		0.0095 (J)	0.016		
11/10/2015	0.0091 (J)		0.0088 (J)	0.011	
11/11/2015		0.011			0.0084 (J)
4/11/2016	0.00767 (J)				
4/12/2016		0.0122	0.00965 (J)	0.00925 (JD)	0.00419 (J)
6/16/2016	<0.002	<0.002	<0.002		
6/20/2016				0.0076 (J)	0.0043 (J)
8/11/2016	0.0085	0.01	0.0083		
8/12/2016				0.0079	0.0037
10/4/2016		0.011			
10/5/2016	0.01		0.0094	0.0085	
10/6/2016					0.0062
11/29/2016	0.0087				
11/30/2016		0.0098	0.0084	0.0086	0.0043
2/7/2017		0.0096			
2/8/2017	0.0093		0.0091	0.011	0.0052
4/5/2017	0.0098				
4/6/2017		0.01	0.011	0.0098	0.005
6/20/2017		0.01			
6/21/2017	0.0094		0.0081	0.011	
6/22/2017					0.0052
10/4/2017		0.011			
10/5/2017	0.0096		0.0083	0.01	
10/6/2017					0.0049
3/20/2018	0.0097	0.0099			

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.002 (X)	<0.002 (X)	<0.002 (X)
10/2/2018	0.0097	0.01			
10/3/2018			0.0091	0.0081	0.0039
3/26/2019	0.0091	0.0096	0.0092	0.0075	0.0084
9/10/2019		0.014		0.0092	0.0067
9/12/2019	0.012		0.011		
3/18/2020		0.011		0.0049	
3/19/2020	0.012		0.0094		0.0045
9/9/2020	0.011	0.01			
9/10/2020			0.009	0.0061	0.0055
4/1/2021		0.0057			
4/2/2021					0.0052
4/5/2021	0.012		0.008		
4/6/2021				0.0074	

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			0.007	<0.002	0.0097
5/11/2010	0.004 (J)	<0.002			
6/16/2010					0.0074
6/18/2010	0.0056	0.0063	0.011		
6/19/2010				<0.002	
7/27/2010	0.0051	0.004 (J)			0.0068
7/28/2010			0.0092	0.0034 (J)	
9/8/2010				0.014	0.007
9/9/2010	0.0037 (J)	0.0053	0.01		
4/29/2011	0.0036 (J)				0.0062
4/30/2011		0.0035 (J)	0.012	0.022	
10/27/2011				0.0064	0.0084
10/28/2011	0.0026 (J)				
10/29/2011		0.0048 (J)	0.012		
5/3/2012					0.0099
5/4/2012	0.0031 (J)	0.0064	0.013	0.0059	
11/10/2012	<0.002	0.0084	0.0097		
11/11/2012				0.011	0.0073
5/9/2013	0.0033 (J)	0.0041 (J)	0.013		0.0085
5/10/2013				0.038 (O)	
11/6/2013	0.0045 (J)				0.013
11/7/2013		0.0077 (J)	0.013	0.012	
5/21/2014		0.0044 (J)	0.0091 (J)	0.0048 (J)	0.0097 (J)
5/22/2014	0.0035 (J)				
11/9/2014	0.0062 (J)	0.0071 (J)			
11/12/2014			0.0097 (J)		0.0072 (J)
11/13/2014				0.023	
5/23/2015				0.015	0.0095 (J)
5/24/2015	0.012	0.01	0.018		
11/11/2015	0.0068 (J)	0.0053 (J)	0.0086 (J)	0.016	
11/12/2015					0.0046 (J)
4/12/2016		0.00493 (J)			
4/13/2016			0.00924 (JD)		0.00627 (JD)
4/19/2016	0.00368 (J)			0.0086 (J)	
6/20/2016		0.0043 (J)	0.0084 (J)		
6/22/2016	0.0031 (J)				0.0079 (J)
8/12/2016		0.0037			
8/15/2016			0.0083		0.0075
8/16/2016	0.0028				
10/6/2016	0.003	0.004	0.0081		0.0071
10/10/2016				0.0052	
11/30/2016		0.0035			
12/1/2016	0.0022 (J)		0.0083	0.0062	0.007
2/8/2017					0.0047
2/9/2017	0.0035	0.0041	0.0087	0.0091	
4/6/2017	0.0032	0.0038			0.006
4/7/2017			0.009	<0.002	
6/21/2017	0.0031	0.004		<0.002	0.0071
6/22/2017			0.0092		
8/15/2017				<0.002	
9/1/2017				<0.002	
10/5/2017	0.0029				0.008

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		0.0038	0.0095		
10/9/2017				<0.002	
3/21/2018		<0.002 (X)			<0.002 (X)
3/22/2018	0.0086 (J+X)		0.0086 (J+X)	0.0079 (J+X)	
10/2/2018					0.0081
10/3/2018	0.003	0.0042			
10/4/2018			0.0083	<0.002	
3/26/2019		0.0044			
3/27/2019	0.0039		0.0088	<0.002	0.0064
9/11/2019	0.0079	0.0078	0.013	0.0052	0.012
3/18/2020	0.0052	0.0046		<0.002	0.0066
3/19/2020			0.011		
9/9/2020	0.0048			<0.002	0.0081
9/10/2020		0.0049	0.0098		
4/1/2021	0.0058		0.0091		0.0018 (J)
4/5/2021		0.005		<0.002	

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0025		
5/9/2010	<0.0025	<0.0025			
5/10/2010					<0.0025
5/11/2010				<0.0025	
6/16/2010		<0.0025	<0.0025		<0.0025
6/17/2010				<0.0025	
6/18/2010	<0.0025				
7/26/2010			<0.0025		
7/27/2010		<0.0025		<0.0025	
7/28/2010	<0.0025				<0.0025
9/7/2010		<0.0025	<0.0025		
9/8/2010					<0.0025
9/9/2010	<0.0025			<0.0025	
4/28/2011				<0.0025	
4/29/2011		0.003 (O)	<0.0025		<0.0025
4/30/2011	<0.0025				
10/27/2011					<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025		
10/29/2011				<0.0025	
5/2/2012	<0.0025	<0.0025	<0.0025		
5/3/2012				<0.0025	
5/4/2012					<0.0025
11/9/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/11/2012					<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025		
5/9/2013				<0.0025	<0.0025
11/5/2013	<0.0025			<0.0025	<0.0025
11/6/2013		<0.0025	<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025		
5/21/2014					<0.0025
5/23/2014				<0.0025	
11/8/2014		<0.0025	<0.0025		
11/12/2014	<0.0025				<0.0025
11/13/2014				<0.0025	
5/22/2015	<0.0025	<0.0025	<0.0025		
5/23/2015				<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025		
11/11/2015	<0.0025			<0.0025	
11/12/2015					<0.0025
4/6/2016	0.00261 (O)	<0.0025	<0.0025		
4/12/2016				<0.0025	
4/13/2016					<0.0025 (D)
6/15/2016	0.00092 (J)	2.2E-05 (J)	8.4E-05 (J)		
6/16/2016				<0.0025	
6/21/2016					<0.0025
8/10/2016	0.00076 (J)	<0.0025	<0.0025		
8/11/2016				<0.0025	
8/15/2016					<0.0025
10/4/2016	0.00081 (J)	<0.0025		<0.0025	
10/5/2016			<0.0025		<0.0025
11/29/2016		<0.0025	<0.0025		
11/30/2016	0.00061 (J)			<0.0025	

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2017					<0.0025
4/4/2017	0.00084 (J)	<0.0025	<0.0025		
4/5/2017				<0.0025	
4/6/2017					<0.0025
6/20/2017	0.0012 (J)	<0.0025	<0.0025	<0.0025	
6/21/2017					<0.0025
10/4/2017	0.00087 (J)			<0.0025	
10/5/2017		<0.0025	<0.0025		<0.0025
3/20/2018	0.0018 (JD)	<0.0025	<0.0025	<0.0025	
3/21/2018					<0.0025
10/2/2018	0.0011 (J)	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	0.0019 (J)	<0.0025	<0.0025	<0.0025	
3/27/2019					<0.0025
9/10/2019	0.0012 (J)	0.00031 (J)	0.00052 (J)	<0.0025	
9/11/2019					<0.0025
3/18/2020	0.0017 (J)	0.00034 (J)	<0.0025	0.00017 (J)	<0.0025
9/9/2020	0.0016 (J)	<0.0025	0.00019 (J)	<0.0025	<0.0025
4/1/2021	0.0024 (J)	0.00014 (J)	<0.0025	<0.0025	<0.0025



# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.0025	<0.0025	<0.0025	
5/10/2010	<0.0025				<0.0025
6/16/2010	<0.0025				<0.0025
6/18/2010		<0.0025	<0.0025	<0.0025	
7/26/2010					<0.0025
7/27/2010	<0.0025	<0.0025			
7/28/2010				<0.0025	
7/29/2010			<0.0025		
9/7/2010					<0.0025
9/8/2010	<0.0025	<0.0025			
9/9/2010			<0.0025	<0.0025	
4/26/2011			<0.0025		
4/29/2011	<0.0025	<0.0025			<0.0025
4/30/2011				<0.0025	
10/27/2011	<0.0025				
10/28/2011		<0.0025	<0.0025	<0.0025	<0.0025
5/2/2012					<0.0025
5/3/2012		<0.0025		<0.0025	
5/4/2012	<0.0025		<0.0025		
11/9/2012					<0.0025
11/10/2012	<0.0025	<0.0025		<0.0025	
11/11/2012			<0.0025		
5/8/2013			<0.0025	<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025			
11/5/2013				<0.0025	
11/6/2013	<0.0025	<0.0025			<0.0025
11/7/2013			<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/23/2014					<0.0025
11/8/2014					<0.0025
11/12/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/22/2015					0.0032 (O)
5/23/2015		<0.0025			
5/24/2015	<0.0025		<0.0025	<0.0025	
11/10/2015					<0.0025
11/11/2015				<0.0025	
11/12/2015	<0.0025	<0.0025	<0.0025		
4/11/2016					<0.0025
4/13/2016	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	
6/16/2016					<0.0025
6/21/2016	<0.0025	0.0004 (J)	<0.0025	<0.0025	
8/11/2016					<0.0025
8/15/2016	<0.0025	0.00042 (J)	<0.0025	<0.0025	
10/4/2016				<0.0025	
10/5/2016	<0.0025	0.00049 (J)			<0.0025
10/7/2016			<0.0025		
11/29/2016					<0.0025
12/1/2016	<0.0025	<0.0025	<0.0025	<0.0025	
2/7/2017				<0.0025	
2/8/2017	<0.0025	<0.0025			<0.0025
2/9/2017			<0.0025		
4/5/2017		<0.0025			

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025
6/20/2017	<0.0025	0.0004 (J)		<0.0025	
6/21/2017					<0.0025
6/22/2017			<0.0025		
10/5/2017	<0.0025	0.00041 (J)		<0.0025	<0.0025
10/6/2017			<0.0025		
3/20/2018				<0.0025	<0.0025
3/21/2018	<0.0025	<0.0025			
3/22/2018			<0.0025		
10/2/2018	<0.0025	<0.0025		<0.0025	<0.0025
10/3/2018			<0.0025		
3/26/2019		<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025				
9/11/2019	<0.0025	0.00042 (J)	<0.0025	<0.0025	0.00023 (J)
3/18/2020	<0.0025	0.00013 (J)	<0.0025	<0.0025	0.00018 (J)
9/9/2020				<0.0025	0.00014 (J)
9/10/2020	0.00033 (J)	0.00057 (J)	<0.0025		
4/1/2021	<0.0025	0.00028 (J)		<0.0025	<0.0025
4/6/2021			<0.0025		

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/16/2010	<0.0025				
6/17/2010			<0.0025	<0.0025	<0.0025
6/19/2010		<0.0025			
7/27/2010	<0.0025	<0.0025	<0.0025		
7/28/2010				0.0034 (O)	<0.0025
9/7/2010	<0.0025		<0.0025	<0.0025	
9/8/2010					<0.0025
9/9/2010		<0.0025			
4/28/2011		<0.0025			<0.0025
4/29/2011	<0.0025		<0.0025	0.0037 (O)	
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	
10/29/2011					<0.0025
5/2/2012	<0.0025				
5/3/2012		<0.0025	<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025		<0.0025	
11/10/2012			<0.0025		<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		
5/10/2013				<0.0025	<0.0025
11/5/2013		<0.0025			
11/6/2013	<0.0025		<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025				
11/9/2014			<0.0025	<0.0025	<0.0025
11/13/2014		<0.0025			
5/22/2015				<0.0025	<0.0025
5/23/2015	<0.0025				
5/24/2015		<0.0025	<0.0025		
11/10/2015	<0.0025	<0.0025	<0.0025	<0.0025	
11/11/2015		<0.0025			<0.0025
4/11/2016	<0.0025				
4/12/2016		<0.0025	<0.0025	<0.0025 (D)	<0.0025
6/16/2016	<0.0025	<0.0025	0.00012 (J)		
6/20/2016				0.0001 (J)	0.00016 (J)
8/11/2016	<0.0025	<0.0025	<0.0025		
8/12/2016				0.00042 (J)	<0.0025
10/4/2016		<0.0025			
10/5/2016	<0.0025		<0.0025	<0.0025	
10/6/2016					0.00068 (J)
11/29/2016	<0.0025				
11/30/2016		<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017		<0.0025			
2/8/2017	<0.0025		<0.0025	<0.0025	<0.0025
4/5/2017	<0.0025				
4/6/2017		<0.0025	0.0005 (J)	<0.0025	<0.0025
6/20/2017		<0.0025			
6/21/2017	<0.0025		<0.0025	0.00042 (J)	
6/22/2017					<0.0025
10/4/2017		<0.0025			
10/5/2017	<0.0025		<0.0025	<0.0025	
10/6/2017					<0.0025
3/20/2018	<0.0025	<0.0025			

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0025	<0.0025	<0.0025
10/2/2018	<0.0025	<0.0025			
10/3/2018			<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	0.00096 (J)
9/10/2019		0.00015 (J)		0.00028 (J)	<0.0025
9/12/2019	0.00021 (J)		0.00021 (J)		
3/18/2020		<0.0025		0.00014 (J)	
3/19/2020	0.00014 (J)		0.00026 (J)		0.00021 (J)
9/9/2020	<0.0025	<0.0025			
9/10/2020			0.00018 (J)	0.00023 (J)	0.00032 (J)
4/1/2021		<0.0025			
4/2/2021					0.00026 (J)
4/5/2021	<0.0025		<0.0025		
4/6/2021				0.00031 (J)	

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0025	<0.0025	<0.0025
5/11/2010	<0.0025	<0.0025			
6/16/2010					<0.0025
6/18/2010	<0.0025	<0.0025	<0.0025		
6/19/2010				<0.0025	
7/27/2010	<0.0025	<0.0025			<0.0025
7/28/2010			<0.0025	<0.0025	
9/8/2010				<0.0025	<0.0025
9/9/2010	<0.0025	<0.0025	<0.0025		
4/29/2011	<0.0025				<0.0025
4/30/2011		<0.0025	<0.0025	0.0063 (O)	
10/27/2011				<0.0025	<0.0025
10/28/2011	<0.0025				
10/29/2011		<0.0025	<0.0025		
5/3/2012					<0.0025
5/4/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2012	<0.0025	<0.0025	<0.0025		
11/11/2012				<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		<0.0025
5/10/2013				0.0068 (O)	
11/6/2013	<0.0025				<0.0025
11/7/2013		<0.0025	<0.0025	<0.0025	
5/21/2014		<0.0025	<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025				
11/9/2014	<0.0025	<0.0025			
11/12/2014			<0.0025		<0.0025
11/13/2014				0.0046	
5/23/2015				<0.0025	<0.0025
5/24/2015	<0.0025	<0.0025	<0.0025		
11/11/2015	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015					<0.0025
4/12/2016		<0.0025			
4/13/2016			<0.0025 (D)		<0.0025 (D)
4/19/2016	<0.0025			<0.0025	
6/20/2016		3E-05 (J)	8.6E-05 (J)		
6/22/2016	<0.0025				<0.0025
8/12/2016		<0.0025			
8/15/2016			<0.0025		<0.0025
8/16/2016	<0.0025				
10/6/2016	<0.0025	<0.0025	<0.0025		<0.0025
10/10/2016				<0.0025	
11/30/2016		<0.0025			
12/1/2016	<0.0025		<0.0025	0.00068 (J)	<0.0025
2/8/2017					<0.0025
2/9/2017	<0.0025	<0.0025	<0.0025	0.0009 (J)	
4/6/2017	<0.0025	<0.0025			<0.0025
4/7/2017			<0.0025	0.0011 (J)	
6/21/2017	<0.0025	<0.0025		0.00064 (J)	<0.0025
6/22/2017			<0.0025		
8/15/2017				0.001 (J)	
9/1/2017				0.00089 (J)	
10/5/2017	<0.0025				<0.0025

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0025	<0.0025		
10/9/2017				0.00085 (J)	
3/21/2018		<0.0025			<0.0025
3/22/2018	<0.0025		<0.0025	<0.0004 (o)	
10/2/2018					<0.0025
10/3/2018	<0.0025	<0.0025			
10/4/2018			<0.0025	0.00048 (J)	
3/26/2019		<0.0025			
3/27/2019	<0.0025		<0.0025	0.0012 (J)	<0.0025
9/11/2019	9.9E-05 (J)	8.7E-05 (J)	0.00016 (J)	0.00085 (J)	0.00016 (J)
3/18/2020	<0.0025	<0.0025		0.0027	<0.0025
3/19/2020			0.00013 (J)		
9/9/2020	<0.0025			0.0043	0.00023 (J)
9/10/2020		<0.0025	0.00038 (J)		
4/1/2021	<0.0025		0.00015 (J)		0.00015 (J)
4/5/2021		0.00015 (J)		0.0026	

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.002		
5/9/2010	<0.002	<0.002			
5/10/2010					<0.002
5/11/2010				<0.002	
6/16/2010		<0.002	<0.002		<0.002
6/17/2010				<0.002	
6/18/2010	<0.002				
7/26/2010			<0.002		
7/27/2010		<0.002		<0.002	
7/28/2010	<0.002				<0.002
9/7/2010		<0.002	<0.002		
9/8/2010					<0.002
9/9/2010	<0.002			<0.002	
4/28/2011				<0.002	
4/29/2011		<0.002	<0.002		<0.002
4/30/2011	<0.002				
10/27/2011					<0.002
10/28/2011	<0.002	<0.002	<0.002		
10/29/2011				<0.002	
5/2/2012	<0.002	<0.002	<0.002		
5/3/2012				<0.002	
5/4/2012					<0.002
11/9/2012	<0.002	<0.002	<0.002	<0.002	
11/11/2012					<0.002
5/8/2013	<0.002	<0.002	<0.002		
5/9/2013				<0.002	<0.002
11/5/2013	<0.002			<0.002	<0.002
11/6/2013		<0.002	<0.002		
5/20/2014	<0.002	<0.002	<0.002		
5/21/2014					<0.002
5/23/2014				<0.002	
11/8/2014		<0.002	<0.002		
11/12/2014	<0.002				<0.002
11/13/2014				<0.002	
5/22/2015	<0.002	<0.002	<0.002		
5/23/2015				<0.002	<0.002
11/9/2015		<0.002	<0.002		
11/11/2015	<0.002			<0.002	
11/12/2015					<0.002
4/6/2016	<0.002	<0.002	<0.002		
4/12/2016				<0.002	
4/13/2016					<0.002 (D)
10/4/2016	<0.002	<0.002		<0.002	
10/5/2016			<0.002		<0.002
4/4/2017	<0.002	<0.002	<0.002		
4/5/2017				<0.002	
4/6/2017					<0.002
10/4/2017	<0.002			<0.002	
10/5/2017		<0.002	<0.002		<0.002
3/20/2018	<0.002 (D)	<0.002	<0.002	<0.002	
3/21/2018					<0.002
10/2/2018	<0.002	<0.002	<0.002	<0.002	<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.002	<0.002	<0.002	<0.002	
3/27/2019					<0.002
9/10/2019	<0.002	0.00095 (J)	0.0012 (J)	<0.002	
9/11/2019					<0.002
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2021	<0.002	0.00074 (J)	<0.002	<0.002	<0.002



# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.002	<0.002	<0.002	
5/10/2010	<0.002				<0.002
6/16/2010	<0.002				0.0025 (J)
6/18/2010		<0.002	<0.002	<0.002	
7/26/2010					0.0023 (J)
7/27/2010	<0.002	<0.002			
7/28/2010				<0.002	
7/29/2010			<0.002		
9/7/2010					<0.002
9/8/2010	<0.002	<0.002			
9/9/2010			<0.002	<0.002	
4/26/2011			<0.002		
4/29/2011	<0.002	<0.002			<0.002
4/30/2011				<0.002	
10/27/2011	<0.002				
10/28/2011		<0.002	<0.002	<0.002	<0.002
5/2/2012					<0.002
5/3/2012		<0.002		0.0021 (J)	
5/4/2012	<0.002		0.0024 (J)		
11/9/2012					<0.002
11/10/2012	<0.002	<0.002		<0.002	
11/11/2012			<0.002		
5/8/2013			<0.002	<0.002	<0.002
5/9/2013	<0.002	<0.002			
11/5/2013				<0.002	
11/6/2013	<0.002	<0.002			<0.002
11/7/2013			<0.002		
5/20/2014	<0.002	<0.002	<0.002	<0.002	
5/23/2014					<0.002
11/8/2014					<0.002
11/12/2014	<0.002	<0.002	<0.002	<0.002	
5/22/2015					<0.002
5/23/2015		<0.002			
5/24/2015	<0.002		<0.002	<0.002	
11/10/2015					<0.002
11/11/2015				<0.002	
11/12/2015	<0.002	<0.002	<0.002		
4/11/2016					<0.002
4/13/2016	<0.002 (D)	<0.002 (D)	<0.002 (D)	<0.002 (D)	
10/4/2016				<0.002	
10/5/2016	<0.002	<0.002			<0.002
10/7/2016			<0.002		
4/5/2017		<0.002			
4/6/2017	<0.002		<0.002	<0.002	<0.002
10/5/2017	0.0021 (J)	<0.002		<0.002	<0.002
10/6/2017			<0.002		
3/20/2018				<0.002	<0.002
3/21/2018	<0.002	<0.002 (D)			
3/22/2018			<0.002		
10/2/2018	<0.002	<0.002		<0.002	<0.002
10/3/2018			<0.002		
3/26/2019		<0.002	<0.002	<0.002	<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.002				
9/11/2019	<0.002	<0.002	<0.002	<0.002	0.00084 (J)
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020				<0.002	0.00084 (J)
9/10/2020	0.0007 (J)	<0.002	<0.002		
4/1/2021	<0.002	<0.002		<0.002	<0.002
4/6/2021			<0.002		

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.002	<0.002	<0.002	0.003 (J)	<0.002
6/16/2010	<0.002				
6/17/2010			<0.002	<0.002	0.0022 (J)
6/19/2010		<0.002			
7/27/2010	<0.002	<0.002	0.0021 (J)		
7/28/2010				0.012 (O)	0.0033 (J)
9/7/2010	<0.002		<0.002	0.0026 (J)	
9/8/2010					<0.002
9/9/2010		<0.002			
4/28/2011		<0.002			0.0037 (J)
4/29/2011	<0.002		<0.002	<0.002	
10/28/2011	<0.002	<0.002	<0.002	<0.002	
10/29/2011					<0.002
5/2/2012	<0.002				
5/3/2012		<0.002	<0.002	<0.002	0.0031 (J)
11/9/2012	<0.002	<0.002		<0.002	
11/10/2012			<0.002		0.0021 (J)
5/9/2013	<0.002	<0.002	<0.002		
5/10/2013				0.0042 (J)	0.0025 (J)
11/5/2013		<0.002			
11/6/2013	<0.002		<0.002	<0.002	0.0032 (J)
5/22/2014	<0.002	<0.002	<0.002	<0.002	<0.002
11/8/2014	<0.002				
11/9/2014			<0.002	<0.002	<0.002
11/13/2014		<0.002			
5/22/2015				<0.002	<0.002
5/23/2015	<0.002				
5/24/2015		<0.002	<0.002		
11/10/2015	<0.002	<0.002	<0.002	<0.002	
11/11/2015		<0.002			0.002 (J)
4/11/2016	<0.002				
4/12/2016		<0.002	<0.002	<0.002 (D)	<0.002
10/4/2016		<0.002			
10/5/2016	<0.002		<0.002	<0.002	
10/6/2016					0.0022 (J)
4/5/2017	<0.002				
4/6/2017		<0.002	<0.002	<0.002	<0.002
10/4/2017		<0.002			
10/5/2017	<0.002		<0.002	<0.002	
10/6/2017					<0.002
3/20/2018	<0.002	<0.002			
3/21/2018			<0.002	<0.002	<0.002
10/2/2018	<0.002	<0.002			
10/3/2018			<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	0.0039
9/10/2019		<0.002		0.0011 (J)	0.0017 (J)
3/18/2020		<0.002		<0.002	
3/19/2020	<0.002		<0.002		<0.002
9/9/2020	<0.002	<0.002			
9/10/2020			<0.002	0.00072 (J)	0.0011 (J)
4/1/2021		0.00069 (J)			
4/2/2021					0.0012 (J)

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/5/2021	<0.002		<0.002		
4/6/2021				0.00088 (J)	

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.002	0.0036 (J)	<0.002
5/11/2010	<0.002	<0.002			
6/16/2010					<0.002
6/18/2010	<0.002	0.0026 (J)	0.008 (O)		
6/19/2010				0.004 (J)	
7/27/2010	<0.002	0.0029 (J)			<0.002
7/28/2010			0.0021 (J)	0.013	
9/8/2010				0.068	<0.002
9/9/2010	<0.002	<0.002	<0.002		
4/29/2011	<0.002				<0.002
4/30/2011		<0.002	<0.002	0.098	
10/27/2011				0.02	<0.002
10/28/2011	<0.002				
10/29/2011		<0.002	<0.002		
5/3/2012					0.0023
5/4/2012	<0.002	0.0037 (J)	<0.002	0.024	
11/10/2012	<0.002	<0.002	<0.002		
11/11/2012				0.032	<0.002
5/9/2013	<0.002	<0.002	<0.002		<0.002
5/10/2013				0.18	
11/6/2013	<0.002				<0.002
11/7/2013		<0.002	0.0022 (J)	0.021	
5/21/2014		<0.002	<0.002	0.0089 (J)	<0.002
5/22/2014	<0.002				
11/9/2014	<0.002	<0.002			
11/12/2014			<0.002		<0.002
11/13/2014				0.1	
5/23/2015				0.048	<0.002
5/24/2015	<0.002	<0.002	0.0022 (J)		
11/11/2015	<0.002	<0.002	<0.002	0.059	
11/12/2015					<0.002
4/12/2016		<0.002			
4/13/2016			<0.002 (D)		<0.002 (D)
4/19/2016	<0.002			0.0131 (J)	
10/6/2016	<0.002	<0.002	<0.002		<0.002
10/10/2016				0.0046	
4/6/2017	<0.002	<0.002			<0.002
4/7/2017			<0.002	<0.002	
10/5/2017	<0.002				<0.002
10/6/2017		<0.002	0.0026		
10/9/2017				<0.002	
3/21/2018		<0.002			0.0038
3/22/2018	<0.002		<0.002	<0.002	
10/2/2018					<0.002
10/3/2018	<0.002	<0.002			
10/4/2018			<0.002	<0.002	
3/26/2019		<0.002			
3/27/2019	<0.002		<0.002	<0.002	<0.002
9/11/2019	<0.002	0.00066 (J)	0.00086 (J)	<0.002	<0.002
3/18/2020	<0.002	<0.002		<0.002	<0.002
3/19/2020			<0.002		
9/9/2020	<0.002			<0.002	<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		<0.002	0.0024		
4/1/2021	<0.002		0.00094 (J)		<0.002
4/5/2021		<0.002		<0.002	

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	0.017 (J)	0.048 (J)	0.039 (J)		
4/12/2016				0.087 (J)	
4/13/2016					0.082 (JD)
6/15/2016	<0.1	<0.1	<0.1		
6/16/2016				0.04 (J)	
6/21/2016					0.02 (J)
8/10/2016	<0.1	<0.1	<0.1		
8/11/2016				0.092 (J)	
8/15/2016					<0.1
10/4/2016	<0.1	<0.1		<0.1	
10/5/2016			<0.1		<0.1
11/29/2016		<0.1	<0.1		
11/30/2016	<0.1			0.091 (J)	
12/1/2016					<0.1
2/7/2017	<0.1	<0.1	<0.1	<0.1	
2/8/2017					<0.1
4/4/2017	<0.1	<0.1	<0.1		
4/5/2017				<0.1	
4/6/2017					<0.1
6/20/2017	<0.1	<0.1	<0.1	0.082 (J)	
6/21/2017					<0.1
10/4/2017	<0.1			<0.1	
10/5/2017		<0.1	<0.1		<0.1
3/20/2018	<0.1 (D)	<0.1	<0.1	<0.1	
3/21/2018					<0.1
10/2/2018	<0.1	<0.1	<0.1	0.089 (J)	<0.1
3/26/2019	<0.1	0.041 (J)	0.042 (J)	0.072 (J)	
3/27/2019					0.077 (J)
9/10/2019	<0.1	0.047 (J)	0.046 (J)	0.077 (J)	
9/11/2019					0.067 (J)
3/18/2020	0.036 (J)	0.041 (J)	0.071 (J)	0.098 (J)	0.088 (J)
9/9/2020	<0.1	0.034 (J)	0.036 (J)	0.069 (J)	0.055 (J)
4/1/2021	<0.1	0.035 (J)	0.042 (J)	0.081 (J)	0.086 (J)

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					0.047 (J)
4/13/2016	0.061 (JD)	0.01 (JD)	0.039 (JD)	0.027 (JD)	
6/16/2016					<0.1
6/21/2016	0.03 (J)	<0.1	<0.1	<0.1	
8/11/2016					<0.1
8/15/2016	<0.1	<0.1	<0.1	<0.1	
10/4/2016				<0.1	
10/5/2016	<0.1	<0.1			<0.1
10/7/2016			<0.1		
11/29/2016					<0.1
12/1/2016	<0.1	<0.1	<0.1	<0.1	
2/7/2017				<0.1	
2/8/2017	<0.1	<0.1			<0.1
2/9/2017			<0.1		
4/5/2017		<0.1			
4/6/2017	<0.1		<0.1	<0.1	<0.1
6/20/2017	<0.1	<0.1		<0.1	
6/21/2017					<0.1
6/22/2017			<0.1		
10/5/2017	<0.1	<0.1		<0.1	<0.1
10/6/2017			<0.1		
3/20/2018				<0.1	<0.1
3/21/2018	<0.1	<0.1 (D)			
3/22/2018			<0.1		
10/2/2018	<0.1	<0.1		<0.1	<0.1
10/3/2018			<0.1		
3/26/2019		0.026 (J)	0.04 (J)	0.034 (J)	0.046 (J)
3/27/2019	0.048 (J)				
9/11/2019	0.054 (J)	0.039 (J)	0.051 (J)	0.045 (J)	0.055 (J)
3/18/2020	0.064 (J)	0.046 (J)	0.055 (J)	0.068 (J)	<0.1
9/9/2020				<0.1	0.045 (J)
9/10/2020	0.052 (J)	<0.1	0.034 (J)		
4/1/2021	0.042 (J)	<0.1		<0.1	0.041 (J)
4/6/2021			0.026 (J)		



# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	0.048 (J)				
4/12/2016		0.046 (J)	0.056 (J)	0.057 (JD)	0.121 (J)
6/16/2016	<0.1	<0.1	<0.1		
6/20/2016				0.04 (J)	0.04 (J)
8/11/2016	<0.1	<0.1	<0.1		
8/16/2016				<0.1	0.13 (J)
10/4/2016		<0.1			
10/5/2016	<0.1		<0.1	<0.1	
10/6/2016					0.1 (J)
11/29/2016	<0.1				
11/30/2016		<0.1	<0.1	<0.1	0.13 (J)
2/7/2017		<0.1			
2/8/2017	<0.1		<0.1	<0.1	0.093 (J)
4/5/2017	<0.1				
4/6/2017		<0.1	<0.1	<0.1	0.1 (J)
6/20/2017		<0.1			
6/21/2017	<0.1		<0.1	<0.1	
6/22/2017					0.11 (J)
10/4/2017		<0.1			
10/5/2017	<0.1		<0.1	<0.1	
10/6/2017					0.096 (J)
3/20/2018	<0.1	<0.1			
3/21/2018			<0.1	<0.1	0.094 (J)
10/2/2018	<0.1	<0.1			
10/3/2018			<0.1	<0.1	0.1 (J+X)
3/26/2019	0.04 (J)	0.046 (J)	0.045 (J)	0.046 (J)	0.087 (J)
9/10/2019		0.048 (J)		0.058 (J)	0.097 (J)
9/12/2019	0.032 (J)		0.044 (J)		
3/18/2020		0.055 (J)		0.091 (J)	
3/19/2020	<0.1		<0.1		0.038 (J)
9/9/2020	0.034 (J)	0.033 (J)			
9/10/2020			0.051 (J)	0.063 (J)	0.1
4/1/2021		0.043 (J)			
4/2/2021					0.097 (J)
4/6/2021				0.045 (J)	
6/1/2021	0.026 (J)		0.033 (J)		

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		0.061 (J)			
4/13/2016			0.061 (JD)		0.083 (JD)
4/19/2016	0.024 (J)			0.135 (J)	
6/20/2016		<0.1	0.12 (J)		
6/22/2016	<0.1				0.03 (J)
8/15/2016			<0.1		<0.1
8/16/2016	<0.1	<0.1			
10/6/2016	<0.1	<0.1	<0.1		<0.1
10/10/2016				0.12 (J)	
11/30/2016		<0.1			
12/1/2016	<0.1		<0.1	0.12 (J)	<0.1
2/8/2017					<0.1
2/9/2017	<0.1	<0.1	<0.1	0.11 (J)	
4/6/2017	<0.1	<0.1			<0.1
4/7/2017			<0.1	0.15 (J)	
6/21/2017	<0.1	<0.1		0.21	<0.1
6/22/2017			<0.1		
8/15/2017				0.1 (J)	
9/1/2017				0.084 (J)	
10/5/2017	<0.1				0.084 (J)
10/6/2017		<0.1	<0.1		
3/21/2018		<0.1			<0.1
3/22/2018	<0.1		<0.1	0.091 (J)	
10/2/2018					<0.1
10/3/2018	<0.1	<0.1			
10/4/2018			<0.1	0.14 (J+X)	
3/26/2019		0.058 (J)			
3/27/2019	0.038 (J)		0.04 (J)	0.071 (J)	0.066 (J)
9/11/2019	0.045 (J)	0.058 (J)	0.057 (J)	0.071 (J)	0.067 (J)
3/18/2020	0.055 (J)	0.082 (J)		0.073 (J)	0.096 (J)
3/19/2020			<0.1		
9/9/2020	0.033 (J)			0.038 (J)	0.067 (J)
9/10/2020		0.052 (J)	0.053 (J)		
4/1/2021	0.029 (J)		0.072 (J)		0.072 (J)
6/1/2021				0.034 (J)	
6/2/2021		0.038 (J)			

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	0.0021 (J)			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		0.0028 (J)	0.0021 (J)		0.002 (J)
6/17/2010				0.0026 (J)	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				0.0036 (J)	
4/29/2011		0.0032 (J)	0.0024 (J)		0.003 (J)
4/30/2011	<0.001				
10/27/2011					0.0027 (J)
10/28/2011	<0.001	0.0025 (J)	0.002 (J)		
10/29/2011				0.0038 (J)	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	0.0024 (J)	<0.001	0.0024 (J)	
11/11/2012					0.0022 (J)
5/8/2013	<0.001	0.0051	0.0034 (J)		
5/9/2013				0.0085	0.007
11/5/2013	<0.001			0.0042 (J)	0.0048 (J)
11/6/2013		0.0033 (J)	0.0028 (J)		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				0.002 (J)
11/13/2014				<0.001	
5/22/2015	<0.001	0.0036 (J)	0.0032 (J)		
5/23/2015				0.0044 (J)	0.0035 (J)
11/9/2015		0.0039 (J)	<0.001		
11/11/2015	<0.001			0.0042 (J)	
11/12/2015					0.0032 (J)
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001		
6/16/2016				<0.001	
6/21/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001		
8/11/2016				<0.001	
8/15/2016					<0.001
10/4/2016	<0.001	<0.001		<0.001	
10/5/2016			<0.001		<0.001
11/29/2016		<0.001	<0.001		
11/30/2016	<0.001			<0.001	

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001	
2/8/2017					<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	
6/21/2017					<0.001
10/4/2017	<0.001			0.00067 (J)	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	<0.001	0.00016 (J)	0.00022 (J)	<0.001	
9/11/2019					<0.001
3/18/2020	<0.001	<0.001	<0.001	0.00023 (J)	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Lead, Total (mg/L)    Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				0.0023 (J)
6/18/2010		<0.001	0.0021	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	0.0032 (J)	<0.001			0.0033 (J)
4/30/2011				<0.001	
10/27/2011	0.0027 (J)				
10/28/2011		<0.001	<0.001	<0.001	0.0023 (J)
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	0.0025 (J)	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			0.0036	0.0024	0.0052
5/9/2013	0.0051	<0.001			
11/5/2013				0.0028	
11/6/2013	0.0037 (J)	<0.001			0.003 (J)
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					0.0023 (J)
5/23/2015		<0.001			
5/24/2015	0.0037 (J)		<0.001	<0.001	
11/10/2015					0.0025 (J)
11/11/2015				<0.001	
11/12/2015	0.0038 (J)	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
6/16/2016					<0.001
6/21/2016	<0.001	<0.001	<0.001	<0.001	
8/11/2016					<0.001
8/15/2016	<0.001	<0.001	<0.001	<0.001	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
11/29/2016					<0.001
12/1/2016	<0.001	<0.001	<0.001	<0.001	
2/7/2017				<0.001	
2/8/2017	<0.001	<0.001			<0.001
2/9/2017			<0.001		
4/5/2017		<0.001			

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.001		<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		<0.001	
6/21/2017					<0.001
6/22/2017			<0.001		
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			0.00061 (J)		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001				
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	0.0017	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	0.00014 (J)	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	0.0026 (J)	0.011	<0.001
6/16/2010	0.0022 (J)				
6/17/2010			0.0021 (J)	0.0027 (J)	<0.001
6/19/2010		0.003 (J)			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					0.002 (J)
9/9/2010		<0.001			
4/28/2011		0.0037 (J)			0.0042 (J)
4/29/2011	0.0029 (J)		0.0032 (J)	0.0038 (J)	
10/28/2011	0.0021 (J)	0.003 (J)	0.0025 (J)	<0.001	
10/29/2011					0.0036 (J)
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	0.002 (J)	0.003 (J)		0.0029 (J)	
11/10/2012			<0.001		0.0023 (J)
5/9/2013	0.0056	0.0063	0.0056		
5/10/2013				0.0061	0.0062
11/5/2013		0.0043 (J)			
11/6/2013	0.0035 (J)		0.0032 (J)	0.0025 (J)	0.0043 (J)
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		0.0021 (J)			
5/22/2015				0.0034 (J)	0.0046 (J)
5/23/2015	0.0047 (J)				
5/24/2015		0.0043 (J)	0.0044 (J)		
11/10/2015	0.0044 (J)		0.0038 (J)	0.0021 (J)	
11/11/2015		0.0032 (J)			0.0028 (J)
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
6/16/2016	<0.001	<0.001	<0.001		
6/20/2016				<0.001	<0.001
8/11/2016	<0.001	<0.001	<0.001		
8/12/2016				<0.001	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
11/29/2016	<0.001				
11/30/2016		<0.001	<0.001	<0.001	<0.001
2/7/2017		<0.001			
2/8/2017	<0.001		<0.001	<0.001	<0.001
4/5/2017	0.0009 (J)				
4/6/2017		<0.001	<0.001	<0.001	<0.001
6/20/2017		<0.001			
6/21/2017	<0.001		<0.001	<0.001	
6/22/2017					<0.001
10/4/2017		<0.001			
10/5/2017	0.0015		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.001	<0.001	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	0.00037 (J)	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		<0.001		<0.001	<0.001
9/12/2019	<0.001		<0.001		
3/18/2020		0.00014 (J)		<0.001	
3/19/2020	<0.001		<0.001		0.00019 (J)
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			
4/2/2021					<0.001
4/5/2021	0.00014 (J)		<0.001		
4/6/2021				<0.001	



# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					0.003 (J)
6/18/2010	0.0024	<0.001	0.0027 (J)		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				0.0023 (J)	<0.001
9/9/2010	<0.001	<0.001	0.002 (J)		
4/29/2011	0.0028				0.0039 (J)
4/30/2011		0.0034 (J)	0.0037 (J)	0.011 (O)	
10/27/2011				0.0055	0.0043 (J)
10/28/2011	<0.001				
10/29/2011		0.0041 (J)	0.0025 (J)		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	0.0029 (J)	
11/10/2012	<0.001	0.0023 (J)	0.003 (J)		
11/11/2012				0.0052	0.0025 (J)
5/9/2013	0.0061	0.0067	0.0064		0.0067
5/10/2013				0.023 (O)	
11/6/2013	0.0034				0.0069
11/7/2013		0.0048 (J)	0.0037 (J)	0.0083	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		0.002 (J)
11/13/2014				0.0085	
5/23/2015				0.0077	0.003 (J)
5/24/2015	0.0093 (O)	0.0045 (J)	0.0053 (J)		
11/11/2015	0.0071	0.0048 (J)	0.0022 (J)	0.008	
11/12/2015					0.0044 (J)
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
6/20/2016		<0.001	<0.001		
6/22/2016	<0.001				<0.001
8/12/2016		<0.001			
8/15/2016			<0.001		<0.001
8/16/2016	<0.001				
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
11/30/2016		<0.001			
12/1/2016	<0.001		<0.001	0.00047 (J)	<0.001
2/8/2017					<0.001
2/9/2017	<0.001	<0.001	<0.001	0.0012 (J)	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
6/21/2017	<0.001	<0.001		<0.001	<0.001
6/22/2017			<0.001		
8/15/2017				<0.001	
9/1/2017				<0.001	
10/5/2017	<0.001				<0.001

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	<0.001		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001		<0.001	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			<0.001	<0.001
9/10/2020		<0.001	0.00017 (J)		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		<0.001		0.00034 (J)	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0002		
5/9/2010	<0.0002	<0.0002			
5/10/2010					<0.0002
5/11/2010				<0.0002	
6/16/2010		<0.0002	<0.0002		<0.0002
6/17/2010				<0.0002	
6/18/2010	<0.0002				
7/26/2010			<0.0002		
7/27/2010		<0.0002		<0.0002	
7/28/2010	<0.0002				<0.0002
9/7/2010		7.4E-05 (J)	7.8E-05 (J)		
9/8/2010					8.8E-05 (J)
9/9/2010	<0.0002			<0.0002	
4/28/2011				<0.0002	
4/29/2011		<0.0002	<0.0002		<0.0002
4/30/2011	<0.0002				
10/27/2011					<0.0002
10/28/2011	<0.0002	<0.0002	<0.0002		
10/29/2011				<0.0002	
5/2/2012	<0.0002	<0.0002	<0.0002		
5/3/2012				<0.0002	
5/4/2012					<0.0002
11/9/2012	<0.0002	<0.0002	<0.0002	<0.0002	
11/11/2012					<0.0002
5/8/2013	7E-05 (J)	8E-05 (J)	<0.0002		
5/9/2013				<0.0002	<0.0002
11/5/2013	<0.0002			7.3E-05 (J)	0.00011 (J)
11/6/2013		0.00014	0.00011		
5/20/2014	<0.0002	<0.0002	<0.0002		
5/21/2014					<0.0002
5/23/2014				<0.0002	
11/8/2014		<0.0002	<0.0002		
11/12/2014	<0.0002				<0.0002
11/13/2014				<0.0002	
5/22/2015	7.2E-05 (J)	<0.0002	7.1E-05 (J)		
5/23/2015				<0.0002	<0.0002
11/9/2015		<0.0002	<0.0002		
11/11/2015	<0.0002			<0.0002	
11/12/2015					<0.0002
4/6/2016	<0.0002	<0.0002	<0.0002		
4/12/2016				<0.0002	
4/13/2016					<0.0002 (D)
6/15/2016	<0.0002	<0.0002	<0.0002		
6/16/2016				<0.0002	
6/21/2016					<0.0002
8/10/2016	<0.0002	<0.0002	<0.0002		
8/11/2016				<0.0002	
8/15/2016					<0.0002
10/4/2016	<0.0002	<0.0002		<0.0002	
10/5/2016			<0.0002		<0.0002
11/29/2016		<0.0002	<0.0002		
11/30/2016	<0.0002			<0.0002	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0002
2/7/2017	<0.0002	<0.0002	<0.0002	7E-05 (J)	
2/8/2017					7.6E-05 (J)
4/4/2017	<0.0002	<0.0002	<0.0002		
4/5/2017				<0.0002	
4/6/2017					<0.0002
6/20/2017	<0.0002	<0.0002	<0.0002	<0.0002	
6/21/2017					<0.0002
10/4/2017	<0.0002			<0.0002	
10/5/2017		<0.0002	<0.0002		<0.0002
3/20/2018	<0.0002 (D)	<0.0002	<0.0002 (X)	<0.0002 (X)	
3/21/2018					<0.0002
10/2/2018	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)
3/26/2019	<0.0002	<0.0002	<0.0002	<0.0002	
3/27/2019					<0.0002
9/10/2019	<0.0002	<0.0002	<0.0002	<0.0002	
9/11/2019					<0.0002
3/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/1/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010			8.2E-05 (J)	9.1E-05 (J)	
5/10/2010	<0.0002				<0.0002
6/16/2010	<0.0002				<0.0002
6/18/2010		<0.0002	<0.0002	<0.0002	
7/26/2010					<0.0002
7/27/2010	<0.0002	<0.0002			
7/28/2010				<0.0002	
7/29/2010			<0.0002		
9/7/2010					<0.0002
9/8/2010	<0.0002	<0.0002			
9/9/2010			<0.0002	<0.0002	
4/26/2011			<0.0002		
4/29/2011	<0.0002	<0.0002			<0.0002
4/30/2011				<0.0002	
10/27/2011	<0.0002				
10/28/2011		<0.0002	<0.0002	<0.0002	<0.0002
5/2/2012					<0.0002
5/3/2012		<0.0002		<0.0002	
5/4/2012	<0.0002		<0.0002		
11/9/2012					<0.0002
11/10/2012	<0.0002	<0.0002		<0.0002	
11/11/2012			<0.0002		
5/8/2013			<0.0002	<0.0002	<0.0002
5/9/2013	0.00019	<0.0002			
11/5/2013				0.00016	
11/6/2013	0.00014	<0.0002			<0.0002
11/7/2013			0.0001		
5/20/2014	<0.0002	<0.0002	<0.0002	<0.0002	
5/23/2014					<0.0002
11/8/2014					<0.0002
11/12/2014	<0.0002	<0.0002	<0.0002	<0.0002	
5/22/2015					<0.0002
5/23/2015		<0.0002			
5/24/2015	<0.0002		<0.0002	<0.0002	
11/10/2015					<0.0002
11/11/2015				<0.0002	
11/12/2015	<0.0002	<0.0002	<0.0002		
4/11/2016					<0.0002
4/13/2016	<0.0002 (D)	<0.0002 (D)	<0.0002 (D)	<0.0002 (D)	
6/16/2016					<0.0002
6/21/2016	<0.0002	<0.0002	<0.0002	<0.0002	
8/11/2016					<0.0002
8/15/2016	<0.0002	<0.0002	<0.0002	<0.0002	
10/4/2016				<0.0002	
10/5/2016	<0.0002	<0.0002			<0.0002
10/7/2016			<0.0002		
11/29/2016					<0.0002
12/1/2016	<0.0002	<0.0002	<0.0002	<0.0002	
2/7/2017				<0.0002	
2/8/2017	<0.0002	<0.0002			8.9E-05
2/9/2017			<0.0002		
4/5/2017		<0.0002			

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0002		<0.0002	<0.0002	<0.0002
6/20/2017	<0.0002	<0.0002		<0.0002	
6/21/2017					<0.0002
6/22/2017			<0.0002		
10/5/2017	<0.0002	<0.0002		<0.0002	<0.0002
10/6/2017			<0.0002		
3/20/2018				<0.0002	<0.0002
3/21/2018	<0.0002	<0.0002 (D)			
3/22/2018			<0.0002 (X)		
10/2/2018	<0.0002 (X)	<0.0002 (X)		<0.0002 (X)	<0.0002 (X)
10/3/2018			<0.0002 (X)		
3/26/2019		<0.0002	<0.0002	<0.0002	<0.0002
3/27/2019	<0.0002				
9/11/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/9/2020				<0.0002	<0.0002
9/10/2020	<0.0002	<0.0002	<0.0002		
4/1/2021	<0.0002	<0.0002		<0.0002	<0.0002
4/6/2021			<0.0002		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0002	<0.0002	8.5E-05	<0.0002	<0.0002
6/16/2010	<0.0002				
6/17/2010			<0.0002	<0.0002	<0.0002
6/19/2010		<0.0002			
7/27/2010	<0.0002	<0.0002	<0.0002		
7/28/2010				<0.0002	<0.0002
9/7/2010	0.00011		0.0001	0.00012	
9/8/2010					<0.0002
9/9/2010		9.3E-05			
4/28/2011		<0.0002			<0.0002
4/29/2011	<0.0002		<0.0002	<0.0002	
10/28/2011	<0.0002	<0.0002	<0.0002	<0.0002	
10/29/2011					<0.0002
5/2/2012	<0.0002				
5/3/2012		<0.0002	<0.0002	<0.0002	<0.0002
11/9/2012	<0.0002	<0.0002		<0.0002	
11/10/2012			<0.0002		<0.0002
5/9/2013	<0.0002	<0.0002	<0.0002		
5/10/2013				0.00014	0.00012
11/5/2013		0.00011			
11/6/2013	<0.0002		<0.0002	0.00014	<0.0002
5/22/2014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/8/2014	<0.0002				
11/9/2014			<0.0002	<0.0002	<0.0002
11/13/2014		<0.0002			
5/22/2015				<0.0002	<0.0002
5/23/2015	<0.0002				
5/24/2015		<0.0002	<0.0002		
11/10/2015	<0.0002		<0.0002	<0.0002	
11/11/2015		<0.0002			<0.0002
4/11/2016	<0.0002				
4/12/2016		<0.0002	<0.0002	<0.0002 (D)	<0.0002
6/16/2016	<0.0002	<0.0002	<0.0002		
6/20/2016				<0.0002	<0.0002
8/11/2016	<0.0002	<0.0002	<0.0002		
8/12/2016				<0.0002	<0.0002
10/4/2016		<0.0002			
10/5/2016	<0.0002		<0.0002	<0.0002	
10/6/2016					<0.0002
11/29/2016	<0.0002				
11/30/2016		<0.0002	<0.0002	<0.0002	<0.0002
2/7/2017		<0.0002			
2/8/2017	7.6E-05 (J)		7.5E-05 (J)	<0.0002	<0.0002
4/5/2017	<0.0002				
4/6/2017		<0.0002	<0.0002	<0.0002	<0.0002
6/20/2017		<0.0002			
6/21/2017	<0.0002		<0.0002	<0.0002	
6/22/2017					<0.0002
10/4/2017		<0.0002			
10/5/2017	<0.0002		<0.0002	<0.0002	
10/6/2017					<0.0002
3/20/2018	<0.0002 (X)	<0.0002 (X)			

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0002	<0.0002	<0.0002 (X)
10/2/2018	<0.0002 (X)	<0.0002			
10/3/2018			<0.0002 (X)	<0.0002 (X)	<0.0002 (X)
3/26/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/10/2019		<0.0002		<0.0002	<0.0002
9/12/2019	<0.0002		<0.0002		
3/18/2020		<0.0002		<0.0002	
3/19/2020	<0.0002		<0.0002		<0.0002
9/9/2020	<0.0002	<0.0002			
9/10/2020			<0.0002	<0.0002	<0.0002
4/1/2021		<0.0002			
4/2/2021					<0.0002
4/6/2021				<0.0002	
6/1/2021	<0.0002		<0.0002		



# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0002	<0.0002	<0.0002
5/11/2010	<0.0002	<0.0002			
6/16/2010					<0.0002
6/18/2010	<0.0002	<0.0002	<0.0002		
6/19/2010				<0.0002	
7/27/2010	<0.0002	<0.0002			<0.0002
7/28/2010			<0.0002	<0.0002	
9/8/2010				0.00011 (J)	<0.0002
9/9/2010	<0.0002	0.00017	<0.0002		
4/29/2011	<0.0002				<0.0002
4/30/2011		<0.0002	<0.0002	<0.0002	
10/27/2011				<0.0002	<0.0002
10/28/2011	<0.0002				
10/29/2011		<0.0002	7E-05 (J)		
5/3/2012					<0.0002
5/4/2012	<0.0002	<0.0002	<0.0002	<0.0002	
11/10/2012	<0.0002	<0.0002	<0.0002		
11/11/2012				<0.0002	<0.0002
5/9/2013	0.00016	0.00014	<0.0002		<0.0002
5/10/2013				0.00014	
11/6/2013	<0.0002				8.8E-05
11/7/2013		0.00011	0.00016	0.00019	
5/21/2014		<0.0002	<0.0002	<0.0002	<0.0002
5/22/2014	<0.0002				
11/9/2014	<0.0002	<0.0002			
11/12/2014			<0.0002		<0.0002
11/13/2014				<0.0002	
5/23/2015				<0.0002	<0.0002
5/24/2015	<0.0002	<0.0002	<0.0002		
11/11/2015	<0.0002	<0.0002	<0.0002	<0.0002	
11/12/2015					<0.0002
4/12/2016		<0.0002			
4/13/2016			<0.0002 (D)		<0.0002 (D)
4/19/2016	<0.0002			<0.0002	
6/20/2016		<0.0002	<0.0002		
6/22/2016	<0.0002				<0.0002
8/12/2016		<0.0002			
8/15/2016			<0.0002		<0.0002
8/16/2016	<0.0002				
10/6/2016	<0.0002	<0.0002	<0.0002		<0.0002
10/10/2016				0.000155 (D)	
11/30/2016		<0.0002			
12/1/2016	<0.0002		<0.0002	<0.0002	<0.0002
2/8/2017					<0.0002
2/9/2017	<0.0002	<0.0002	<0.0002	<0.0002	
4/6/2017	<0.0002	<0.0002			<0.0002
4/7/2017			<0.0002	<0.0002	
6/21/2017	<0.0002	<0.0002		<0.0002	<0.0002
6/22/2017			<0.0002		
8/15/2017				<0.0002	
9/1/2017				<0.0002	
10/5/2017	<0.0002				<0.0002

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0002	<0.0002		
10/9/2017				8.9E-05 (J)	
3/21/2018		<0.0002 (X)			<0.0002
3/22/2018	<0.0002 (X)		<0.0002 (X)	<0.0002 (X)	
10/2/2018					<0.0002 (X)
10/3/2018	<0.0002 (X)	<0.0002 (X)			
10/4/2018			<0.0002 (X)	<0.0002	
3/26/2019		<0.0002			
3/27/2019	<0.0002		<0.0002	<0.0002	<0.0002
9/11/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/18/2020	<0.0002	<0.0002		<0.0002	<0.0002
3/19/2020			0.00011 (J)		
9/9/2020	<0.0002			<0.0002	<0.0002
9/10/2020		<0.0002	<0.0002		
4/1/2021	<0.0002		<0.0002		<0.0002
6/1/2021				<0.0002	
6/2/2021		<0.0002			

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				0.0086 (O)	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	<0.001	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	0.00202 (J)	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					0.00271
10/4/2016	<0.001	<0.001		<0.001	
10/5/2016			<0.001		<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	0.04 (O)	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	0.0018 (J)

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	0.00081 (J)	0.00037 (J)	0.0012	0.00065 (J)	
9/11/2019					0.0016
3/18/2020	0.00043 (J)	<0.001	<0.001	0.00056 (J)	0.0016
9/9/2020	0.00069 (J)	<0.001	0.00048 (J)	0.00047 (J)	0.0021
4/1/2021	0.00049 (J)	<0.001	0.0004 (J)	0.00073 (J)	0.0012

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					0.0045 (O)
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
4/5/2017		<0.001			
4/6/2017	<0.001		<0.001	<0.001	<0.001
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			<0.001		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.001				
9/11/2019	0.00066 (J)	0.00084 (J)	0.00039 (J)	<0.001	0.00048 (J)
3/18/2020	0.0005 (J)	0.0006 (J)	0.00061 (J)	<0.001	0.00034 (J)
9/9/2020				<0.001	0.00064 (J)
9/10/2020	0.0012	0.00088 (J)	0.00044 (J)		
4/1/2021	0.00065 (J)	0.00065 (J)		<0.001	<0.001
4/6/2021			0.00053 (J)		

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	0.0033 (O)	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				0.019 (O)	<0.001
9/7/2010	<0.001		<0.001	0.0093 (O)	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	0.003 (J)	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		0.0035 (J)	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				0.0081 (O)	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	0.01 (O)				
5/24/2015		<0.001	0.0063 (O)		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		0.00206 (J)	<0.001	<0.001 (D)	<0.001
10/4/2016		0.0023 (J)			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					0.0021 (J)
4/5/2017	<0.001				
4/6/2017		<0.001	0.002 (J)	<0.001	<0.001
10/4/2017		0.0021 (J)			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			
3/21/2018			<0.001	0.0022 (J)	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	0.0018 (J)	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	0.0036
9/10/2019		0.0022		0.0016	0.00079 (J)
9/12/2019	0.0015		0.00097 (J)		
3/18/2020		0.0016		0.00091 (J)	
3/19/2020	0.00047 (J)		0.00098 (J)		0.00073 (J)
9/9/2020	0.00039 (J)	0.0016			
9/10/2020			0.00098 (J)	0.0014	0.0013
4/1/2021		0.0022			

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					0.0012
4/5/2021	0.00047 (J)		0.00048 (J)		
4/6/2021				0.0018	



# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	0.0034			
6/16/2010					<0.001
6/18/2010	<0.001	0.0046	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	0.008 (O)	
10/27/2011				0.0044 (J)	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	<0.001		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	0.0032 (J)	
11/10/2012	<0.001	0.0053	<0.001		
11/11/2012				0.0069	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				0.0093 (O)	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	<0.001	0.0033 (J)	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				0.0049 (J)	
5/23/2015				0.003 (J)	<0.001
5/24/2015	0.006 (O)	0.0047	0.0044		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	0.00268 (J)			0.00247 (J)	
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
4/6/2017	0.0018 (J)	<0.001			<0.001
4/7/2017			<0.001	0.0022 (J)	
10/5/2017	<0.001				<0.001
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	0.0019 (J)		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	0.0007 (J)	0.00099 (J)	0.00046 (J)	0.0013	0.00063 (J)
3/18/2020	0.00068 (J)	0.00062 (J)		0.0044	<0.001
3/19/2020			<0.001		
9/9/2020	0.00039 (J)			0.0036	0.00046 (J)

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		0.0009 (J)	0.0007 (J)		
4/1/2021	0.00042 (J)		0.00036 (J)		0.00058 (J)
4/5/2021		0.00088 (J)		0.0058	

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/20/2014	5.27	6.18	5.68		
5/21/2014					6.3
5/23/2014				6.46	
11/8/2014		6.52	6.04		
11/12/2014	5.7				6.49
11/13/2014				6.67	
5/22/2015	5.52	6.3	5.87		
5/23/2015				6.53	6.3
11/9/2015			5.97		
11/11/2015	5.63	6.36		6.71	
11/12/2015					6.45
4/6/2016	5.5 (D)	6.46 (D)	5.937 (D)		
4/12/2016				6.53 (D)	
4/13/2016					6.42 (D)
6/15/2016	5.52	6.39	5.96		
6/16/2016				6.49	
6/21/2016					6.36
8/10/2016	5.5	6.39	5.94		
8/11/2016				6.5	
8/15/2016					6.3
10/4/2016	5.56	6.4		6.5	
10/5/2016			5.86		6.25
11/29/2016		6.36	5.82		
11/30/2016	5.46			6.48	
12/1/2016					6.32
2/7/2017	5.28 (O)	6.45	6.15	6.38	
2/8/2017					6.04
4/1/2017	5.48				
4/4/2017	5.48	6.37	6		
4/5/2017				6.36	
4/6/2017					6.35
6/20/2017	5.44	6.4	6.34	6.45	
6/21/2017					6.2
10/4/2017	5.44			6.5	
10/5/2017		6.42	5.93		6.21
3/20/2018	5.48	6.36	5.97	6.63	
3/21/2018					6.56
10/2/2018	5.49	6.38	6.03	6.57	6.35
3/26/2019	5.41	6.42	6.12	6.54	
3/27/2019					6.53
3/18/2020	5.42	6.29	6.03	6.53	6.34
9/9/2020	5.71	6.33	6.05	6.57	6.4
4/1/2021	5.31	6.44	6.14	6.52	6.35

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/20/2014	6.14	4.86	5.6	5.38	
5/23/2014					6.19
11/8/2014					6.42
11/12/2014	6.33	5.3	6.02	5.77	
5/22/2015					6.26
5/23/2015		5.04			
5/24/2015	6.04		5.81	5.53	
11/10/2015					6.29
11/11/2015				5.68	
11/12/2015	6.31	5.31	5.93		
4/11/2016					6.3 (D)
4/13/2016	6.17 (D)	5.22 (D)	5.88 (D)	5.58 (D)	
6/16/2016					6.34
6/21/2016	6.19	5.2	5.9	5.59	
8/11/2016					6.28
8/15/2016	6.15	5.12	5.86	5.56	
10/4/2016			5.85	5.66	
10/5/2016	6.1	5.07			6.27
10/7/2016		5.07	5.85		
11/29/2016					6.39
12/1/2016	6.15	5.08	5.85	5.54	
2/7/2017				5.42 (O)	
2/8/2017	5.9 (O)	4.76 (O)			6.35
2/9/2017			5.92		
4/5/2017		5.1			
4/6/2017	6.13		5.85	5.55	6.26
6/20/2017	6.12	5.13		5.57	
6/21/2017					6.24
6/22/2017			5.9		
10/5/2017	6.11	5.1		5.55	6.31
10/6/2017			5.88		
3/20/2018				5.73	6.34
3/21/2018	6.21	5.33			
3/22/2018			5.88		
10/2/2018	6.21	5.16		5.68	6.38
10/3/2018			5.95		
3/26/2019		5.25	5.89	5.63	6.38
3/27/2019	6.22				
3/18/2020	6.17	5.19	5.81	5.61	6.32
9/9/2020				5.88	6.3
9/10/2020	6.16	5.1	5.83		
4/1/2021	6.11	5.18		5.53	6.37
4/6/2021			5.95		

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/22/2014	6.37	6.74	6.33	5.82	6.17
11/8/2014	6.51				
11/9/2014			6.66	6.1	6.45
11/13/2014		6.94			
5/22/2015	6.35		6.49	5.92	6.26
5/24/2015		7			
11/10/2015	6.41		6.53		
11/11/2015		6.55			6.3
11/16/2015				6.02	
4/11/2016	6.36 (D)				
4/12/2016		6.52 (D)	6.53 (D)	5.97 (D)	6.44 (D)
6/16/2016	6.35	6.38	6.51		
6/20/2016				5.93	6.33
8/11/2016	6.37	6.38	6.49		
8/12/2016				5.86	
8/16/2016				5.86	6.3
10/4/2016		6.39			
10/5/2016	5.78 (O)		6.46	5.1 (O)	
10/6/2016					6.21
11/29/2016	6.44				
11/30/2016		6.38	6.5	5.88	6.26
2/7/2017		6.43			
2/8/2017	6.4		6.59	5.89	6.35
4/5/2017	6.35				
4/6/2017		6.23 (O)	6.47	5.84	6.29
6/20/2017		6.36			
6/21/2017	6.36		6.53	5.91	
6/22/2017					6.31
10/4/2017		6.35			
10/5/2017	6.41		6.51	5.93	
10/6/2017					5.9
3/20/2018	6.37	6.52			
3/21/2018			6.5	5.96	6.23
10/2/2018	6.41	6.51			
10/3/2018			6.48	5.97	6.25
3/26/2019	6.35	6.44	6.52	6.02	6.34
3/18/2020		6.41		5.9	
3/19/2020	6.27		6.47		6.32
9/9/2020	6.27	6.44			
9/10/2020			6.49	6.24	6.46
4/1/2021		7.32			
4/2/2021					6.35
4/5/2021	6.37		6.64		
4/6/2021				6.01	
6/1/2021	6.18		6.39		

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/21/2014		6.09	6.25	7.11	6.31
5/22/2014	5.89				
11/9/2014	6.14	6.36			
11/12/2014					6.81
11/13/2014				6.55	
5/23/2015				6.36	6.42
5/24/2015	5.7	6.17	6.32		
11/11/2015	5.78	6.19	6.35	6.36	
11/12/2015					6.7
4/12/2016		6.22			
4/13/2016			6.42		6.59
4/19/2016	5.55			6.4	
6/20/2016		6.2	6.4		
6/22/2016	5.6				6.49
6/23/2016				6.35	
8/12/2016		6.17			
8/15/2016			6.31		6.61
8/16/2016	5.7				
8/23/2016				6.29	
10/6/2016	5.64	6.14	6.27		6.55
10/10/2016				6.3	
11/30/2016		6.14			
12/1/2016	5.62		6.28	6.37	6.59
2/8/2017					6.63
2/9/2017	5.64	6.18	6.32	6.39	
2/27/2017				6.24	
4/6/2017	5.66	6.17			6.58
4/7/2017			6.28	6.93	
6/21/2017	5.68	6.17		7.11 (D)	6.56
6/22/2017			6.29		
8/15/2017				6.95	
9/1/2017				6.86	
10/5/2017	5.64				6.58
10/6/2017		6.19	5.96		
10/9/2017				6.75	
3/21/2018		6.21			6.76
3/22/2018	5.9		6.34	7.05	
10/2/2018					6.65
10/3/2018	5.74	6.22			
10/4/2018			6.36	7.26	
3/26/2019		6.25			
3/27/2019	5.78		6.38	6.69	6.7
3/18/2020	5.81	6.19		6.42	6.61
3/19/2020			6.41		
9/9/2020	6.08			6.3	6.8
9/10/2020		6.43	6.32		
4/1/2021	6.01		6.4		6.28
4/5/2021		6.36		6.35	
6/1/2021				6.28	
6/2/2021		6.09			

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.005		
5/9/2010	<0.005	<0.005			
5/10/2010					<0.005
5/11/2010				<0.005	
6/16/2010		<0.005	<0.005		<0.005
6/17/2010				<0.005	
6/18/2010	<0.005				
7/26/2010			<0.005		
7/27/2010		<0.005		<0.005	
7/28/2010	<0.005				<0.005
9/7/2010		<0.005	<0.005		
9/8/2010					<0.005
9/9/2010	<0.005			<0.005	
4/28/2011				<0.005	
4/29/2011		<0.005	<0.005		<0.005
4/30/2011	<0.005				
10/27/2011					<0.005
10/28/2011	<0.005	<0.005	<0.005		
10/29/2011				<0.005	
5/2/2012	<0.005	<0.005	<0.005		
5/3/2012				<0.005	
5/4/2012					<0.005
11/9/2012	<0.005	<0.005	<0.005	<0.005	
11/11/2012					<0.005
5/8/2013	<0.005	<0.005	0.0044		
5/9/2013				<0.005	<0.005
11/5/2013	<0.005			<0.005	<0.005
11/6/2013		<0.005	<0.005		
5/20/2014	<0.005	<0.005	<0.005		
5/21/2014					<0.005
5/23/2014				<0.005	
11/8/2014		<0.005	<0.005		
11/12/2014	<0.005				<0.005
11/13/2014				<0.005	
5/22/2015	<0.005	<0.005	<0.005		
5/23/2015				0.0053	0.0043
11/9/2015		0.0043	<0.005		
11/11/2015	<0.005			<0.005	
11/12/2015					0.0046
4/6/2016	<0.005	<0.005	<0.005		
4/12/2016				<0.005	
4/13/2016					<0.005 (D)
6/15/2016	<0.005	<0.005	<0.005		
6/16/2016				<0.005	
6/21/2016					<0.005
8/10/2016	<0.005	<0.005	<0.005		
8/11/2016				<0.005	
8/15/2016					<0.005
10/4/2016	<0.005	<0.005		0.00037 (J)	
10/5/2016			<0.005		<0.005
11/29/2016		0.00024 (J)	<0.005		
11/30/2016	<0.005			<0.005	

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.005
2/7/2017	<0.005	<0.005	<0.005	<0.005	
2/8/2017					<0.005
4/4/2017	0.00067 (J)	0.0017	<0.005		
4/5/2017				<0.005	
4/6/2017					<0.005
6/20/2017	<0.005	<0.005	<0.005	<0.005	
6/21/2017					<0.005
10/4/2017	<0.005			<0.005	
10/5/2017		<0.005	0.00027 (J)		<0.005
3/20/2018	<0.005 (D)	<0.005	<0.005	<0.005 (X)	
3/21/2018					<0.005
10/2/2018	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	
3/27/2019					<0.005
9/10/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019					<0.005
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2021	<0.005	<0.005	<0.005	<0.005	<0.005



# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.005	<0.005	<0.005	
5/10/2010	<0.005				<0.005
6/16/2010	<0.005				<0.005
6/18/2010		<0.005	<0.005	<0.005	
7/26/2010					<0.005
7/27/2010	<0.005	<0.005			
7/28/2010				<0.005	
7/29/2010			<0.005		
9/7/2010					<0.005
9/8/2010	<0.005	<0.005			
9/9/2010			<0.005	<0.005	
4/26/2011			<0.005		
4/29/2011	<0.005	<0.005			<0.005
4/30/2011				<0.005	
10/27/2011	<0.005				
10/28/2011		0.004	<0.005	<0.005	<0.005
5/2/2012					<0.005
5/3/2012		<0.005		<0.005	
5/4/2012	<0.005		<0.005		
11/9/2012					<0.005
11/10/2012	<0.005	<0.005		<0.005	
11/11/2012			<0.005		
5/8/2013			<0.005	<0.005	<0.005
5/9/2013	<0.005	<0.005			
11/5/2013				<0.005	
11/6/2013	<0.005	<0.005			<0.005
11/7/2013			<0.005		
5/20/2014	<0.005	<0.005	<0.005	<0.005	
5/23/2014					<0.005
11/8/2014					<0.005
11/12/2014	<0.005	<0.005	<0.005	<0.005	
5/22/2015					<0.005
5/23/2015		<0.005			
5/24/2015	0.005		<0.005	<0.005	
11/10/2015					0.0041
11/11/2015				0.0052	
11/12/2015	0.0042	<0.005	<0.005		
4/11/2016					<0.005
4/13/2016	<0.005 (D)	<0.005 (D)	<0.005 (D)	<0.005 (D)	
6/16/2016					<0.005
6/21/2016	<0.005	<0.005	<0.005	<0.005	
8/11/2016					<0.005
8/15/2016	<0.005	<0.005	<0.005	<0.005	
10/4/2016				<0.005	
10/5/2016	<0.005	<0.005			<0.005
10/7/2016			<0.005		
11/29/2016					<0.005
12/1/2016	<0.005	<0.005	<0.005	0.00025 (J)	
2/7/2017				<0.005	
2/8/2017	<0.005	<0.005			<0.005
2/9/2017			<0.005		
4/5/2017		<0.005			

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	0.00031 (J)		<0.005	<0.005	<0.005
6/20/2017	<0.005	<0.005		<0.005	
6/21/2017					<0.005
6/22/2017			<0.005		
10/5/2017	<0.005	<0.005		<0.005	<0.005
10/6/2017			<0.005		
3/20/2018				<0.005	<0.005
3/21/2018	<0.005	<0.005 (D)			
3/22/2018			<0.005		
10/2/2018	<0.005	<0.005		<0.005	<0.005
10/3/2018			<0.005		
3/26/2019		<0.005	<0.005	<0.005	<0.005
3/27/2019	<0.005				
9/11/2019		<0.005	<0.005	<0.005	<0.005
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2020				<0.005	<0.005
9/10/2020	<0.005	<0.005	<0.005		
4/1/2021	<0.005	<0.005		<0.005	<0.005
4/6/2021			<0.005		

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.005	<0.005	<0.005	<0.005	<0.005
6/16/2010	<0.005				
6/17/2010			<0.005	<0.005	<0.005
6/19/2010		<0.005			
7/27/2010	<0.005	<0.005	<0.005		
7/28/2010				<0.005	<0.005
9/7/2010	<0.005		<0.005	<0.005	
9/8/2010					<0.005
9/9/2010		<0.005			
4/28/2011		<0.005			<0.005
4/29/2011	<0.005		<0.005	<0.005	
10/28/2011	<0.005	<0.005	<0.005	<0.005	
10/29/2011					<0.005
5/2/2012	<0.005				
5/3/2012		<0.005	<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005		<0.005	
11/10/2012			<0.005		<0.005
5/9/2013	<0.005	<0.005	<0.005		
5/10/2013				<0.005	<0.005
11/5/2013		<0.005			
11/6/2013	<0.005		<0.005	<0.005	<0.005
5/22/2014	<0.005	<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005				
11/9/2014			<0.005	<0.005	<0.005
11/13/2014		<0.005			
5/22/2015				<0.005	<0.005
5/23/2015	<0.005				
5/24/2015		0.0044	<0.005		
11/10/2015	0.0044		<0.005	<0.005	
11/11/2015		0.0045			<0.005
4/11/2016	<0.005				
4/12/2016		<0.005	<0.005	<0.005 (D)	<0.005
6/16/2016	<0.005	<0.005	<0.005		
6/20/2016				<0.005	<0.005
8/11/2016	<0.005	<0.005	<0.005		
8/12/2016				0.00036 (J)	<0.005
10/4/2016		<0.005			
10/5/2016	<0.005		<0.005	<0.005	
10/6/2016					<0.005
11/29/2016	<0.005				
11/30/2016		<0.005	<0.005	<0.005	<0.005
2/7/2017		<0.005			
2/8/2017	<0.005		<0.005	<0.005	<0.005
4/5/2017	<0.005				
4/6/2017		0.0023	<0.005	<0.005	<0.005
6/20/2017		<0.005			
6/21/2017	<0.005		<0.005	<0.005	
6/22/2017					<0.005
10/4/2017		<0.005			
10/5/2017	<0.005		<0.005	<0.005	
10/6/2017					<0.005
3/20/2018	<0.005	<0.005 (X)			

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.005	<0.005	<0.005 (X)
10/2/2018	<0.005	<0.005			
10/3/2018			<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/10/2019		<0.005		<0.005	<0.005
9/12/2019	<0.005		<0.005		
3/18/2020		<0.005		<0.005	
3/19/2020	<0.005		<0.005		<0.005
9/9/2020	<0.005	<0.005			
9/10/2020			<0.005	<0.005	<0.005
4/1/2021		<0.005			
4/2/2021					<0.005
4/5/2021	<0.005		<0.005		
4/6/2021				<0.005	

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.005	<0.005	<0.005
5/11/2010	<0.005	<0.005			
6/16/2010					<0.005
6/18/2010	<0.005	<0.005	<0.005		
6/19/2010				<0.005	
7/27/2010	<0.005	<0.005			<0.005
7/28/2010			<0.005	<0.005	
9/8/2010				<0.005	<0.005
9/9/2010	<0.005	<0.005	<0.005		
4/29/2011	<0.005				<0.005
4/30/2011		<0.005	<0.005	<0.005	
10/27/2011				<0.005	<0.005
10/28/2011	<0.005				
10/29/2011		<0.005	<0.005		
5/3/2012					<0.005
5/4/2012	<0.005	<0.005	<0.005	<0.005	
11/10/2012	<0.005	<0.005	<0.005		
11/11/2012				<0.005	<0.005
5/9/2013	<0.005	<0.005	<0.005		<0.005
5/10/2013				<0.005	
11/6/2013	<0.005				<0.005
11/7/2013		<0.005	<0.005	<0.005	
5/21/2014		<0.005	<0.005	<0.005	<0.005
5/22/2014	<0.005				
11/9/2014	<0.005	<0.005			
11/12/2014			<0.005		<0.005
11/13/2014				<0.005	
5/23/2015				0.0045	<0.005
5/24/2015	0.013 (J)	<0.005	0.0053		
11/11/2015	0.037	0.007	0.0049	0.0043	
11/12/2015					0.0065
4/12/2016		<0.005			
4/13/2016			<0.005 (D)		<0.005 (D)
4/19/2016	0.0587			<0.005	
6/20/2016		0.00032 (J)	<0.005		
6/22/2016	0.0435				<0.005
8/12/2016		0.00035 (J)			
8/15/2016			<0.005		<0.005
8/16/2016	0.029				
10/6/2016	0.027	0.00029 (J)	<0.005		<0.005
10/10/2016				<0.005	
11/30/2016		0.00026 (J)			
12/1/2016	0.029		<0.005	<0.005	<0.005
2/8/2017					<0.005
2/9/2017	0.031	<0.005	<0.005	<0.005	
4/6/2017	0.043	<0.005			<0.005
4/7/2017			<0.005	<0.005	
6/21/2017	0.052	0.00031 (J)		<0.005	<0.005
6/22/2017			<0.005		
8/15/2017				<0.005	
9/1/2017				0.00044 (J)	
10/5/2017	0.038				<0.005

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.005	<0.005		
10/9/2017				<0.005	
3/21/2018		<0.005 (X)			<0.005 (X)
3/22/2018	0.038		<0.005	0.00032 (J)	
10/2/2018					<0.005
10/3/2018	0.021	0.00056 (J)			
10/4/2018			<0.005	<0.005	
3/26/2019		<0.005			
3/27/2019	0.023		<0.005	<0.005	<0.005
9/11/2019	0.0079	<0.005	<0.005	<0.005	<0.005
3/18/2020	0.014	<0.005		<0.005	<0.005
3/19/2020			<0.005		
9/9/2020	0.0054			<0.005	<0.005
9/10/2020		<0.005	<0.005		
4/1/2021	0.0065		<0.005		<0.005
4/5/2021		<0.005		<0.005	

# Time Series

Constituent: Silver (mg/L)    Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				<0.001	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	<0.001	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
10/4/2016	<0.001	<0.001		0.00012 (J)	
10/5/2016			<0.001		<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019					<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001



# Time Series

Constituent: Silver (mg/L)    Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					<0.001
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
4/5/2017		<0.001			
4/6/2017	<0.001		<0.001	<0.001	<0.001
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			0.00031		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.001				
9/11/2019	<0.001 (D)	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	<0.001	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		<0.001	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				<0.001	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	<0.001				
5/24/2015		<0.001	<0.001		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
4/5/2017	<0.001				
4/6/2017		<0.001	<0.001	<0.001	<0.001
10/4/2017		<0.001			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			
3/21/2018			<0.001	<0.001	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		<0.001		<0.001	<0.001
9/12/2019	<0.001		<0.001		
3/18/2020		<0.001		<0.001	
3/19/2020	<0.001		<0.001		<0.001
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					<0.001
4/5/2021	<0.001		<0.001		
4/6/2021				<0.001	

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					<0.001
6/18/2010	<0.001	<0.001	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	<0.001	
10/27/2011				<0.001	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	<0.001		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	<0.001	
11/10/2012	<0.001	<0.001	<0.001		
11/11/2012				<0.001	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				<0.001	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	<0.001	<0.001	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				<0.001	
5/23/2015				<0.001	<0.001
5/24/2015	<0.001	<0.001	<0.001		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
10/6/2016	<0.001	0.00012 (J)	<0.001		<0.001
10/10/2016				<0.001	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
10/5/2017	<0.001				<0.001
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	<0.001		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001		<0.001	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			<0.001	<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		<0.001	<0.001		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		<0.001		<0.001	

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	0.799 (J)	<1	<1		
4/12/2016				0.617 (J)	
4/13/2016					0.51 (JD)
6/15/2016	<1	<1	<1		
6/16/2016				<1	
6/21/2016					0.58 (J)
8/10/2016	<1	<1	<1		
8/11/2016				<1	
8/15/2016					<1
10/4/2016	<1	<1		<1	
10/5/2016			<1		<1
11/29/2016		<1	<1		
11/30/2016	<1			<1	
12/1/2016					<1
2/7/2017	0.8 (J)	<1	<1	0.92 (J)	
2/8/2017					1
4/4/2017	<1	<1	<1		
4/5/2017				1	
4/6/2017					0.81 (J)
6/20/2017	<1	<1	<1	0.76 (J)	
6/21/2017					1.1
10/4/2017	<1			<1	
10/5/2017		<1	<1		1.1
3/20/2018	1.2	<1	<1	0.95 (J)	
3/21/2018					1.1
10/2/2018	<1	<1	<1	<1	1.2
3/26/2019	2.1	<1	0.58 (J)	0.53 (J)	
3/27/2019					1.6
9/10/2019	0.65 (J)	<1	0.44 (J)	0.69 (J)	
9/11/2019					1.8
3/18/2020	3.1	0.67 (J)	0.51 (J)	0.84 (J)	2.4
9/9/2020	1.6	<1	<1	0.77 (J)	2.6
4/1/2021	2.7	<1	<1	<1	2.7

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					<1
4/13/2016	<1 (D)	<1 (D)	0.646 (JD)	<1 (D)	
6/16/2016					<1
6/21/2016	0.16 (J)	0.2 (J)	0.57 (J)	0.16 (J)	
8/11/2016					<1
8/15/2016	<1	<1	<1	<1	
10/4/2016				<1	
10/5/2016	<1	<1			<1
10/7/2016			<1		
11/29/2016					<1
12/1/2016	<1	<1	<1	<1	
2/7/2017				<1	
2/8/2017	<1	<1			<1
2/9/2017			<1		
4/5/2017		<1			
4/6/2017	<1		<1	<1	<1
6/20/2017	<1	<1		<1	
6/21/2017					<1
6/22/2017			<1		
10/5/2017	<1	<1		<1	<1
10/6/2017			<1		
3/20/2018				<1	<1
3/21/2018	<1	<1 (D)			
3/22/2018			<1		
10/2/2018	<1	<1		<1	<1
10/3/2018			<1		
3/26/2019		0.49 (J)	1.3	0.64 (J)	0.39 (J)
3/27/2019	<1				
9/11/2019	0.63 (J)	0.5 (J)	0.81 (J)	0.5 (J)	0.61 (J)
3/18/2020	<1	1.3	25 (o)	<1	0.62 (J)
9/9/2020				<1	<1
9/10/2020	<1	<1	1.3		
4/1/2021	<1	<1		<1	<1
4/6/2021			0.9 (J)		



# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	<1				
4/12/2016		0.56 (J)	<1	0.419 (JD)	3.56
6/16/2016	<1	<1	<1		
6/20/2016				0.6 (J)	2.4
8/11/2016	<1	<1	<1		
8/16/2016				<1	1.7
10/4/2016		<1			
10/5/2016	<1		<1	<1	
10/6/2016					1.2
11/29/2016	<1				
11/30/2016		<1	<1	1.1	1.2
2/7/2017		<1			
2/8/2017	<1		<1	<1	4.6
4/5/2017	<1				
4/6/2017		<1	<1	<1	4.1
6/20/2017		<1			
6/21/2017	<1		<1	<1	
6/22/2017					3.4
10/4/2017		<1			
10/5/2017	<1		<1	<1	
10/6/2017					3
3/20/2018	<1	<1			
3/21/2018			<1	<1	4.9
10/2/2018	<1	<1			
10/3/2018			<1	<1	2.9
3/26/2019	<1	0.99 (J)	0.45 (J)	0.47 (J)	3.2
9/10/2019		0.63 (J)		0.7 (J)	1.7
9/12/2019	<1		<1		
3/18/2020		0.59 (J)		0.6 (J)	
3/19/2020	0.64 (J)		0.71 (J)		4.6
9/9/2020	1.2	0.59 (J)			
9/10/2020			<1	<1	1.6
4/1/2021		1.1			
4/2/2021					4.6
4/6/2021				<1	
6/1/2021	1.9		1.4		

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		7.55			
4/13/2016			<1 (D)		8.66 (D)
4/19/2016	575 (o)			32.7	
6/20/2016		14	0.36 (J)		
6/22/2016	470				6.3
8/15/2016			<1		8
8/16/2016	360	12			
10/6/2016	300	13	<1		10
10/10/2016				33	
11/30/2016		14			
12/1/2016	340		<1	31	15
2/8/2017					13
2/9/2017	350	9.5	<1	34	
4/6/2017	380	9.7			14
4/7/2017			<1	37	
6/21/2017	490	13		35	11
6/22/2017			<1		
8/15/2017				42	
9/1/2017				40	
10/5/2017	380				10
10/6/2017		7.3	<1		
3/21/2018		9.5			12
3/22/2018	400		<1	39	
10/2/2018					8.2
10/3/2018	270	10			
10/4/2018			<1	30	
3/26/2019		6.3			
3/27/2019	260		0.51 (J)	18	6.8
9/11/2019	130	12	0.52 (J)	32	9.6
3/18/2020	170	5.6		16	6.9
3/19/2020			0.54 (J)		
9/9/2020	110			11	8.4
9/10/2020		9.4	<1		
4/1/2021	100		<1		9.7
6/1/2021				17	
6/2/2021		13			

# Time Series

Constituent: Thallium, Total (mg/L)    Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				<0.001	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	0.0003	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001		
6/16/2016				<0.001	
6/21/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001		
8/11/2016				<0.001	
8/15/2016					<0.001
10/4/2016	<0.001	<0.001		<0.001	
10/5/2016			<0.001		<0.001
11/29/2016		<0.001	<0.001		
11/30/2016	<0.001			<0.001	

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001	
2/8/2017					<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	
6/21/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	<0.001	0.00021 (J)	0.00023 (J)	<0.001	
9/11/2019					<0.001
3/18/2020	<0.001	<0.001	<0.001	0.00049 (J)	<0.001
9/9/2020	0.00025 (J)	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	0.00027 (J)	<0.001

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					<0.001
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
6/16/2016					<0.001
6/21/2016	<0.001	<0.001	<0.001	<0.001	
8/11/2016					<0.001
8/15/2016	<0.001	<0.001	<0.001	<0.001	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
11/29/2016					<0.001
12/1/2016	<0.001	<0.001	<0.001	<0.001	
2/7/2017				<0.001	
2/8/2017	<0.001	<0.001			<0.001
2/9/2017			<0.001		
4/5/2017		<0.001			

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.001		<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		<0.001	
6/21/2017					<0.001
6/22/2017			<0.001		
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			<0.001		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001				
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	<0.001	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		<0.001	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				<0.001	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	<0.001				
5/24/2015		<0.001	<0.001		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
6/16/2016	<0.001	<0.001	<0.001		
6/20/2016				<0.001	<0.001
8/11/2016	<0.001	<0.001	<0.001		
8/12/2016				<0.001	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
11/29/2016	<0.001				
11/30/2016		<0.001	<0.001	<0.001	<0.001
2/7/2017		<0.001			
2/8/2017	<0.001		<0.001	<0.001	<0.001
4/5/2017	<0.001				
4/6/2017		<0.001	<0.001	<0.001	<0.001
6/20/2017		<0.001			
6/21/2017	<0.001		<0.001	<0.001	
6/22/2017					<0.001
10/4/2017		<0.001			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.001	<0.001	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		<0.001		<0.001	<0.001
9/12/2019	<0.001		<0.001		
3/18/2020		0.00025 (J)		<0.001	
3/19/2020	<0.001		<0.001		0.00036 (J)
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			
4/2/2021					<0.001
4/5/2021	0.00032 (J)		<0.001		
4/6/2021				<0.001	



# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					<0.001
6/18/2010	<0.001	<0.001	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	<0.001	
10/27/2011				<0.001	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	0.00027		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	<0.001	
11/10/2012	<0.001	<0.001	<0.001		
11/11/2012				<0.001	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				<0.001	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	0.00026	<0.001	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				<0.001	
5/23/2015				<0.001	<0.001
5/24/2015	<0.001	<0.001	<0.001		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
6/20/2016		<0.001	<0.001		
6/22/2016	<0.001				<0.001
8/12/2016		<0.001			
8/15/2016			<0.001		<0.001
8/16/2016	<0.001				
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
11/30/2016		<0.001			
12/1/2016	<0.001		<0.001	<0.001	<0.001
2/8/2017					<0.001
2/9/2017	<0.001	<0.001	<0.001	<0.001	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
6/21/2017	<0.001	<0.001		<0.001	<0.001
6/22/2017			<0.001		
8/15/2017				<0.001	
9/1/2017				<0.001	
10/5/2017	<0.001				<0.001

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	<0.001		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001		<0.001	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			<0.001	<0.001
9/10/2020		<0.001	0.00019 (J)		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		0.0003 (J)		0.00081 (J)	

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	38	84	61		
4/12/2016				147	
4/13/2016					103 (D)
6/15/2016	<10	139	113		
6/16/2016				150	
6/21/2016					214 (O)
8/10/2016	56	80	74		
8/11/2016				110	
8/15/2016					130
10/4/2016	48	62		140	
10/5/2016			44		84
11/29/2016		110	58		
11/30/2016	46			130	
12/1/2016					130
2/7/2017	18	70	4 (J)	130	
2/8/2017					130
4/4/2017	32	120	78		
4/5/2017				130	
4/6/2017					130
6/20/2017	38	76	50	120	
6/21/2017					120
10/4/2017	42			130	
10/5/2017		110	64		140
3/20/2018	20 (JX)	110	90	110	
3/21/2018					120
10/2/2018	48	110	90	140	150
3/26/2019	45	100	82	150	
3/27/2019					140
9/10/2019	42	75	51	130	
9/11/2019					110
3/18/2020	43	93	75	130	140
9/9/2020	<10	66	64	120	160
4/1/2021	55	100	68	120	140

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					89
4/13/2016	99 (D)	<10 (D)	60 (D)	56 (D)	
6/16/2016					88
6/21/2016	293	110	195 (O)	68	
8/11/2016					52
8/15/2016	90	<10	42	46	
10/4/2016				60	
10/5/2016	70	<10			76
10/7/2016			24		
11/29/2016					72
12/1/2016	120	16	68	70	
2/7/2017				40	
2/8/2017	86	12			74
2/9/2017			56		
4/5/2017		18			
4/6/2017	130		68	74	84
6/20/2017	86	<10		34	
6/21/2017					88
6/22/2017			56		
10/5/2017	94	28		98	110
10/6/2017			90		
3/20/2018				42	92
3/21/2018	100	28 (JX)			
3/22/2018			76		
10/2/2018	120	38		40	100
10/3/2018			22		
3/26/2019		29	59	60	94
3/27/2019	100				
9/11/2019	94	14	33	26	77
3/18/2020	100	26	100	57	92
9/9/2020				54	77
9/10/2020	95	13	60		
4/1/2021	90	17		43	62
4/6/2021			55		

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	99				
4/12/2016		93	104	92 (D)	80
6/16/2016	102	130	111		
6/20/2016				78	111
8/11/2016	38	92	70		
8/16/2016				76	100
10/4/2016		120			
10/5/2016	26		92	64	
10/6/2016					110
11/29/2016	82				
11/30/2016		130	92	82	110
2/7/2017		36			
2/8/2017	78		98	92	120
4/5/2017	100				
4/6/2017		150	92	88	130
6/20/2017		92			
6/21/2017	100		100	88	
6/22/2017					110
10/4/2017		120			
10/5/2017	100		130	86	
10/6/2017					120
3/20/2018	100	120			
3/21/2018			100	98	160
10/2/2018	130	140			
10/3/2018			130	60	120
3/26/2019	100	130	110	86	130
9/10/2019		140		66	93
9/12/2019	70		84		
3/18/2020		140		72	
3/19/2020	110		120		130
9/9/2020	120	110			
9/10/2020			110	59	130
4/1/2021		120			
4/2/2021					150
4/6/2021				81	
6/1/2021	130		120		

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		138			
4/13/2016			130 (D)		135 (D)
4/19/2016	1290			179	
6/20/2016		154	116		
6/22/2016	1060				199
8/15/2016			92		120
8/16/2016	880	140			
10/6/2016	820	150	110		140
10/10/2016				110 (O)	
11/30/2016		160			
12/1/2016	900		140	170	160
2/8/2017					130
2/9/2017	940	160	120	180	
4/6/2017	1100	140			140
4/7/2017			120	200	
6/21/2017	1200	150		190	150
6/22/2017			100		
8/15/2017				190	
9/1/2017				160	
10/5/2017	950				170
10/6/2017		160	140		
3/21/2018		170			160
3/22/2018	1000		130	220	
10/2/2018					34
10/3/2018	620	120			
10/4/2018			110		
10/17/2018				170	
3/26/2019		130			
3/27/2019	580		120	300	140
9/11/2019	310	120	100	210	130
3/18/2020	430	140		300	130
3/19/2020			98		
9/9/2020	270			360	150
9/10/2020		140	120		
4/1/2021	260		110		120
6/1/2021				340	
6/2/2021		140			

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			0.0024 (J)		
5/9/2010	<0.001	0.0049 (J)			
5/10/2010					0.011
5/11/2010				0.012	
6/16/2010		0.0054 (J)	0.002 (J)		0.01
6/17/2010				0.0082 (J)	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		0.0055 (J)		0.0096 (J)	
7/28/2010	<0.001				0.011
9/7/2010		0.005 (J)	0.0026 (J)		
9/8/2010					0.011
9/9/2010	<0.001			0.0098 (J)	
4/28/2011				0.0085 (J)	
4/29/2011		0.005 (J)	0.0036 (J)		0.01
4/30/2011	<0.001				
10/27/2011					0.014
10/28/2011	<0.001	0.0081 (J)	<0.001		
10/29/2011				0.011	
5/2/2012	<0.001	0.0059 (J)	0.003 (J)		
5/3/2012				0.013	
5/4/2012					0.0096 (J)
11/9/2012	<0.001	0.0062 (J)	0.0081 (J)	0.013	
11/11/2012					0.011
5/8/2013	<0.001	0.0079 (J)	<0.001		
5/9/2013				0.012	0.011
11/5/2013	<0.001			0.015	0.013
11/6/2013		0.0068 (J)	0.0032 (J)		
5/20/2014	<0.001	0.0074 (J)	0.0036 (J)		
5/21/2014					0.012
5/23/2014				0.015	
11/8/2014		0.0097 (J)	0.0065 (J)		
11/12/2014	0.0035 (J)				0.016
11/13/2014				0.02	
5/22/2015	<0.001	0.0085 (J)	<0.001		
5/23/2015				0.018	0.011
11/9/2015		<0.001	0.0047 (J)		
11/11/2015	<0.001			0.018	
11/12/2015					0.0053 (J)
4/6/2016	<0.001	0.00726 (J)	0.00424 (J)		
4/12/2016				0.0173	
4/13/2016					0.0124 (D)
10/4/2016	0.0031	0.013		0.021	
10/5/2016			0.0049		0.013
4/4/2017	<0.001	0.0046	0.0048		
4/5/2017				0.017	
4/6/2017					0.013
10/4/2017	0.0021 (J)			0.02	
10/5/2017		0.0071	0.0024 (J)		0.015
3/20/2018	<0.001 (D)	0.0067	0.0041	0.016	
3/21/2018					0.012
10/2/2018	<0.001	0.0069	0.004	0.017	0.012

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.001	0.007	0.0051	0.017	
3/27/2019					0.012
9/10/2019	0.0022	0.01	0.0091	0.02	
9/11/2019					0.017
3/18/2020	0.0011	0.0078	0.0051	0.02	0.013
9/9/2020	<0.001	0.0072	0.0053	0.018	0.012
4/1/2021	<0.001	0.0078	0.005	0.019	0.013



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	0.009 (J)				0.0052 (J)
6/16/2010	0.0089 (J)				0.0059 (J)
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					0.0052 (J)
7/27/2010	0.0089 (J)	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					0.0056 (J)
9/8/2010	0.009 (J)	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	0.0082 (J)	<0.001			0.005 (J)
4/30/2011				<0.001	
10/27/2011	0.009 (J)				
10/28/2011		<0.001	<0.001	<0.001	0.0048 (J)
5/2/2012					0.0057 (J)
5/3/2012		<0.001		<0.001	
5/4/2012	0.0091 (J)		<0.001		
11/9/2012					0.0057 (J)
11/10/2012	0.0096 (J)	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			0.0039 (J)	<0.001	0.0069 (J)
5/9/2013	0.01	<0.001			
11/5/2013				<0.001	
11/6/2013	0.01	<0.001			0.0052 (J)
11/7/2013			<0.001		
5/20/2014	0.011	<0.001	<0.001	<0.001	
5/23/2014					0.0081 (J)
11/8/2014					0.01
11/12/2014	0.012	0.0032 (J)	0.004 (J)	<0.001	
5/22/2015					0.0052 (J)
5/23/2015		<0.001			
5/24/2015	0.012		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					0.00604 (J)
4/13/2016	0.00976 (JD)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
10/4/2016				0.0026	
10/5/2016	0.013	<0.001			0.0075
10/7/2016			<0.001		
4/5/2017		<0.001			
4/6/2017	0.011		<0.001	<0.001	0.0065
10/5/2017	0.013	0.0022 (J)		0.0024 (J)	0.0052
10/6/2017			0.0032		
3/20/2018				<0.001	0.0064
3/21/2018	0.0098	<0.0014 (JX)			
3/22/2018			<0.001		
10/2/2018	0.01	<0.001		<0.001	0.0064
10/3/2018			<0.001		
3/26/2019		0.0029	0.0041	0.0034	0.0094

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	0.012				
9/11/2019	0.015	0.0052	0.0062	0.0062	0.011
3/18/2020	0.011	<0.001	0.001	<0.001	0.0075
9/9/2020				<0.001	0.007
9/10/2020	0.01	<0.001	0.0011		
4/1/2021	0.011	<0.001		0.0013	0.0081
4/6/2021			0.0028		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	0.0064 (J)	0.0078 (J)	0.014	0.0046 (J)	0.0068 (J)
6/16/2010	0.0061 (J)				
6/17/2010			0.014	0.0046 (J)	0.0079 (J)
6/19/2010		<0.001			
7/27/2010	0.006 (J)	0.0096 (J)	0.016		
7/28/2010				0.019 (O)	0.0077 (J)
9/7/2010	0.0066 (J)		0.017	0.0072 (J)	
9/8/2010					0.0077 (J)
9/9/2010		0.0095 (J)			
4/28/2011		0.01			0.0099 (J)
4/29/2011	0.0066 (J)		0.015	0.0052 (J)	
10/28/2011	0.0057 (J)	0.014	0.016	0.0059 (J)	
10/29/2011					0.006 (J)
5/2/2012	0.006 (J)				
5/3/2012		0.013	0.016	0.0049 (J)	0.0084 (J)
11/9/2012	0.0073 (J)	0.012		0.007 (J)	
11/10/2012			0.018		0.0061 (J)
5/9/2013	0.0069 (J)	0.012	0.019		
5/10/2013				0.0094 (J)	0.009 (J)
11/5/2013		0.014			
11/6/2013	0.0077 (J)		0.019	0.0059 (J)	0.0089 (J)
5/22/2014	0.0075 (J)	0.013	0.018	0.0057 (J)	0.0084 (J)
11/8/2014	0.0081 (J)				
11/9/2014			0.02	0.0069 (J)	0.0076 (J)
11/13/2014		0.016			
5/22/2015				0.006 (J)	0.011
5/23/2015	0.01				
5/24/2015		0.014	0.016		
11/10/2015	0.0033 (J)		0.01	0.011	
11/11/2015		0.014			0.0034 (J)
4/11/2016	0.00756 (J)				
4/12/2016		0.0155	0.019	0.00503 (JD)	0.00654 (J)
10/4/2016		0.017			
10/5/2016	0.0084		<0.001	<0.001	
10/6/2016					<0.001
4/5/2017	0.0086				
4/6/2017		0.015	0.02	0.0056	0.0073
10/4/2017		0.015			
10/5/2017	0.0062		0.02	0.0061	
10/6/2017					0.0087
3/20/2018	0.0072	0.014			
3/21/2018			0.021	0.0097	0.0058
10/2/2018	0.0073	0.015			
10/3/2018			0.017	0.0053	0.006
3/26/2019	0.0094	0.016	0.018	0.0076	0.011
9/10/2019		0.018		0.0078	0.0086
9/12/2019	0.0083		0.02		
3/18/2020		0.016		0.0051	
3/19/2020	0.008		0.019		0.0065
9/9/2020	0.0071	0.014			
9/10/2020			0.018	0.0061	0.0068
4/1/2021		0.014			

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

---

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					0.0081
4/5/2021	0.0068		0.017		
4/6/2021				0.0075	

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			0.011	0.013	0.0097 (J)
5/11/2010	0.0038 (J)	0.0055			
6/16/2010					0.01
6/18/2010	0.0044 (J)	0.0071 (J)	0.017		
6/19/2010				0.0075 (J)	
7/27/2010	0.0054 (J)	0.0085 (J)			0.012
7/28/2010			0.012	0.01	
9/8/2010				0.038	0.013
9/9/2010	0.0053 (J)	0.0088 (J)	0.013		
4/29/2011	0.0039 (J)				0.0097 (J)
4/30/2011		0.0094 (J)	0.012	0.053 (O)	
10/27/2011				0.016	0.015
10/28/2011	<0.001				
10/29/2011		0.009 (J)	0.013		
5/3/2012					0.017
5/4/2012	<0.001	0.0084 (J)	0.012	0.018	
11/10/2012	0.0035 (J)	0.0089 (J)	0.012		
11/11/2012				0.025	0.017
5/9/2013	0.004 (J)	0.0071 (J)	0.013		0.014
5/10/2013				0.09 (O)	
11/6/2013	0.0034 (J)				0.019
11/7/2013		0.0094 (J)	0.014	0.02	
5/21/2014		0.0082 (J)	0.013	0.016	0.016
5/22/2014	0.0047 (J)				
11/9/2014	0.0067 (J)	0.013			
11/12/2014			0.015		0.022
11/13/2014				0.065 (O)	
5/23/2015				0.032	0.016
5/24/2015	0.0033 (J)	0.009 (J)	0.015		
11/11/2015	<0.001	0.0052	0.0055 (J)	0.033	
11/12/2015					0.015
4/12/2016		0.00896 (J)			
4/13/2016			0.0127 (D)		0.0144 (D)
4/19/2016	<0.001			0.0233	
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				0.01425 (D)	
4/6/2017	0.0018 (J)	0.0089			0.016
4/7/2017			0.013	0.0044	
10/5/2017	<0.001				0.024
10/6/2017		0.011	0.015		
10/9/2017				0.0047	
3/21/2018		0.0077			0.018
3/22/2018	0.0018 (J)		0.012	0.0043	
10/2/2018					0.021
10/3/2018	0.0018 (J)	0.0081			
10/4/2018			0.012	<0.001	
3/26/2019		0.012			
3/27/2019	0.002 (J)		0.013	0.003	0.019
9/11/2019	0.0047	0.012	0.015	0.0042	0.025
3/18/2020	0.002	0.0099		0.0031	0.012
3/19/2020			0.014		
9/9/2020	0.002			<0.001	0.022

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		0.0094	0.014		
4/1/2021	0.0027		0.014		0.0095
4/5/2021		0.0091		0.0023	

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.005		
5/9/2010	<0.005	<0.005			
5/10/2010					<0.005
5/11/2010				<0.005	
6/16/2010		<0.005	<0.005		<0.005
6/17/2010				<0.005	
6/18/2010	<0.005				
7/26/2010			<0.005		
7/27/2010		<0.005		<0.005	
7/28/2010	<0.005				<0.005
9/7/2010		<0.005	<0.005		
9/8/2010					<0.005
9/9/2010	<0.005			<0.005	
4/28/2011				<0.005	
4/29/2011		<0.005	<0.005		<0.005
4/30/2011	<0.005				
10/27/2011					<0.005
10/28/2011	<0.005	<0.005	<0.005		
10/29/2011				<0.005	
5/2/2012	<0.005	<0.005	<0.005		
5/3/2012				<0.005	
5/4/2012					<0.005
11/9/2012	<0.005	<0.005	<0.005	<0.005	
11/11/2012					<0.005
5/8/2013	<0.005	<0.005	<0.005		
5/9/2013				<0.005	<0.005
11/5/2013	<0.005			<0.005	<0.005
11/6/2013		<0.005	<0.005		
5/20/2014	<0.005	<0.005	<0.005		
5/21/2014					<0.005
5/23/2014				<0.005	
11/8/2014		<0.005	<0.005		
11/12/2014	<0.005				<0.005
11/13/2014				<0.005	
5/22/2015	<0.005	<0.005	<0.005		
5/23/2015				<0.005	<0.005
11/9/2015		<0.005	<0.005		
11/11/2015	<0.005			<0.005	
11/12/2015					<0.005
4/6/2016	<0.005	<0.005	0.00274 (J)		
4/12/2016				<0.005	
4/13/2016					<0.005 (D)
10/4/2016	<0.005	<0.005		<0.005	
10/5/2016			0.0073 (J)		<0.005
4/4/2017	<0.005	<0.005	<0.005		
4/5/2017				<0.005	
4/6/2017					<0.005
10/4/2017	<0.005			<0.005	
10/5/2017		<0.005	<0.005		<0.005
3/20/2018	<0.005 (D)	<0.005	<0.005	<0.005	
3/21/2018					<0.005
10/2/2018	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.005	<0.005	<0.005	<0.005	
3/27/2019					<0.005
9/10/2019	0.006	0.0047 (J)	0.0084	0.0038 (J)	
9/11/2019					0.004 (J)
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2021	<0.005	<0.005	<0.005	<0.005	<0.005



# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.005	<0.005	<0.005	
5/10/2010	<0.005				<0.005
6/16/2010	<0.005				<0.005
6/18/2010		<0.005	<0.005	<0.005	
7/26/2010					<0.005
7/27/2010	<0.005	<0.005			
7/28/2010				<0.005	
7/29/2010			<0.005		
9/7/2010					<0.005
9/8/2010	<0.005	<0.005			
9/9/2010			<0.005	<0.005	
4/26/2011			<0.005		
4/29/2011	<0.005	<0.005			<0.005
4/30/2011				<0.005	
10/27/2011	<0.005				
10/28/2011		<0.005	<0.005	<0.005	<0.005
5/2/2012					<0.005
5/3/2012		<0.005		<0.005	
5/4/2012	<0.005		<0.005		
11/9/2012					<0.005
11/10/2012	<0.005	<0.005		<0.005	
11/11/2012			<0.005		
5/8/2013			<0.005	<0.005	<0.005
5/9/2013	<0.005	<0.005			
11/5/2013				<0.005	
11/6/2013	<0.005	<0.005			<0.005
11/7/2013			<0.005		
5/20/2014	<0.005	<0.005	<0.005	<0.005	
5/23/2014					<0.005
11/8/2014					<0.005
11/12/2014	<0.005	<0.005	<0.005	<0.005	
5/22/2015					<0.005
5/23/2015		<0.005			
5/24/2015	<0.005		<0.005	<0.005	
11/10/2015					<0.005
11/11/2015				<0.005	
11/12/2015	<0.005	<0.005	<0.005		
4/11/2016					<0.005
4/13/2016	0.00241 (JD)	0.00409 (JD)	0.00289 (JD)	<0.005 (D)	
10/4/2016				<0.005	
10/5/2016	<0.005	<0.005			<0.005
10/7/2016			<0.005		
4/5/2017		<0.005			
4/6/2017	<0.005		<0.005	<0.005	<0.005
10/5/2017	<0.005	<0.005		<0.005	<0.005
10/6/2017			0.0071 (J)		
3/20/2018				<0.005	<0.005
3/21/2018	0.007 (J)	<0.005 (D)			
3/22/2018			<0.005		
10/2/2018	0.022 (O)	<0.005		<0.005	<0.005
10/3/2018			<0.005		
3/26/2019		<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.005				
9/11/2019	0.0072	0.0065	0.0085	0.0038 (J)	0.0077
3/18/2020	<0.005	0.005	0.0052	<0.005	<0.005
9/9/2020				<0.005	<0.005
9/10/2020	0.018	0.0037 (J)	0.0038 (J)		
4/1/2021	0.0034 (J)	<0.005		<0.005	<0.005
4/6/2021			0.004 (J)		

# Time Series

Constituent: Zinc (mg/L)    Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.005	<0.005	<0.005	0.018 (O)	<0.005
6/16/2010	<0.005				
6/17/2010			<0.005	<0.005	<0.005
6/19/2010		<0.005			
7/27/2010	<0.005	<0.005	<0.005		
7/28/2010				0.016 (O)	<0.005
9/7/2010	<0.005		<0.005	<0.005	
9/8/2010					<0.005
9/9/2010		<0.005			
4/28/2011		<0.005			<0.005
4/29/2011	<0.005		<0.005	<0.005	
10/28/2011	<0.005	<0.005	<0.005	<0.005	
10/29/2011					<0.005
5/2/2012	<0.005				
5/3/2012		<0.005	<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005		<0.005	
11/10/2012			<0.005		<0.005
5/9/2013	<0.005	<0.005	<0.005		
5/10/2013				<0.005	<0.005
11/5/2013		<0.005			
11/6/2013	<0.005		<0.005	<0.005	<0.005
5/22/2014	<0.005	<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005				
11/9/2014			<0.005	<0.005	<0.005
11/13/2014		<0.005			
5/22/2015				<0.005	<0.005
5/23/2015	<0.005				
5/24/2015		<0.005	<0.005		
11/10/2015	<0.005	<0.005	<0.005	<0.005	
11/11/2015		<0.005			<0.005
4/11/2016	<0.005				
4/12/2016		<0.005	<0.005	<0.005 (D)	0.00203 (J)
10/4/2016		<0.005			
10/5/2016	0.0085 (O)		<0.005	0.01 (O)	
10/6/2016					<0.005
4/5/2017	<0.005				
4/6/2017		<0.005	<0.005	<0.005	<0.005
10/4/2017		<0.005			
10/5/2017	<0.005		<0.005	<0.005	
10/6/2017					<0.005
3/20/2018	<0.005	<0.005			
3/21/2018			<0.005	<0.005	<0.005
10/2/2018	<0.005	<0.005			
10/3/2018			<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/10/2019		0.004 (J)		0.0069	0.006
9/12/2019	0.0059		0.0065		
3/18/2020		<0.005		<0.005	
3/19/2020	<0.005		<0.005		<0.005
9/9/2020	<0.005	<0.005			
9/10/2020			<0.005	<0.005	<0.005
4/1/2021		0.01			

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					<0.005
4/5/2021	<0.005		<0.005		
4/6/2021				<0.005	

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.005	<0.005	<0.005
5/11/2010	<0.005	<0.005			
6/16/2010					<0.005
6/18/2010	<0.005	<0.005	<0.005		
6/19/2010				0.0081 (J)	
7/27/2010	<0.005	<0.005			<0.005
7/28/2010			<0.005	0.017 (J)	
9/8/2010				0.085	<0.005
9/9/2010	<0.005	<0.005	<0.005		
4/29/2011	<0.005				<0.005
4/30/2011		<0.005	<0.005	0.13 (O)	
10/27/2011				0.03	<0.005
10/28/2011	<0.005				
10/29/2011		<0.005	<0.005		
5/3/2012					<0.005
5/4/2012	<0.005	<0.005	<0.005	0.029	
11/10/2012	<0.005	<0.005	<0.005		
11/11/2012				0.046	<0.005
5/9/2013	<0.005	<0.005	<0.005		<0.005
5/10/2013				0.23 (O)	
11/6/2013	<0.005				<0.005
11/7/2013		<0.005	<0.005	0.028	
5/21/2014		<0.005	<0.005	0.015 (J)	<0.005
5/22/2014	<0.005				
11/9/2014	<0.005	<0.005			
11/12/2014			<0.005		<0.005
11/13/2014				0.13 (O)	
5/23/2015				0.059	<0.005
5/24/2015	<0.005	<0.005	<0.005		
11/11/2015	0.0089 (J)	<0.005	<0.005	0.079	
11/12/2015					<0.005
4/12/2016		<0.005			
4/13/2016			<0.005 (D)		<0.005 (D)
4/19/2016	0.0133 (O)			0.0218	
10/6/2016	<0.005	<0.005	<0.005		<0.005
10/10/2016				0.013 (J)	
4/6/2017	0.0087 (J)	<0.005			<0.005
4/7/2017			<0.005	<0.005	
10/5/2017	0.0078 (J)				<0.005
10/6/2017		<0.005	<0.005		
10/9/2017				<0.005	
3/21/2018		<0.005			<0.005
3/22/2018	0.0086 (J)		<0.005	<0.005	
10/2/2018					<0.005
10/3/2018	<0.005	<0.005			
10/4/2018			<0.005	<0.005	
3/26/2019		<0.005			
3/27/2019	<0.005		<0.005	<0.005	<0.005
9/11/2019	0.0074	0.0062	0.0074	0.0052	0.0037 (J)
3/18/2020	0.0045 (J)	<0.005		<0.005	<0.005
3/19/2020			<0.005		
9/9/2020	<0.005			<0.005	<0.005

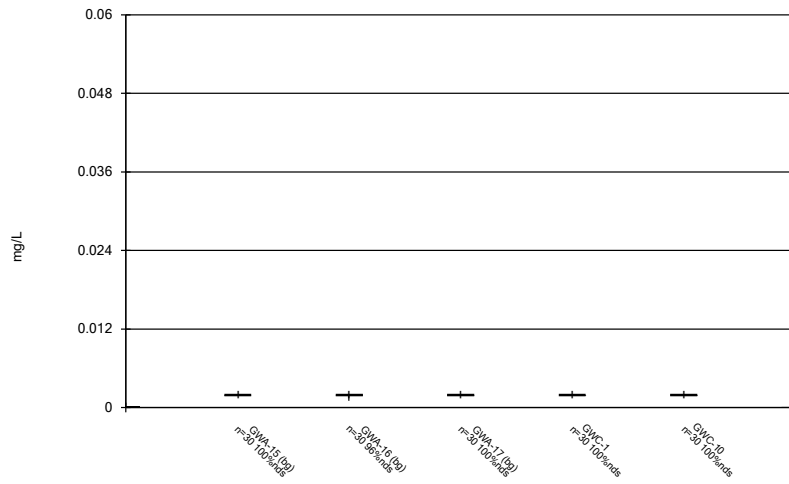
# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		<0.005	<0.005		
4/1/2021	<0.005		<0.005		<0.005
4/5/2021		<0.005		<0.005	

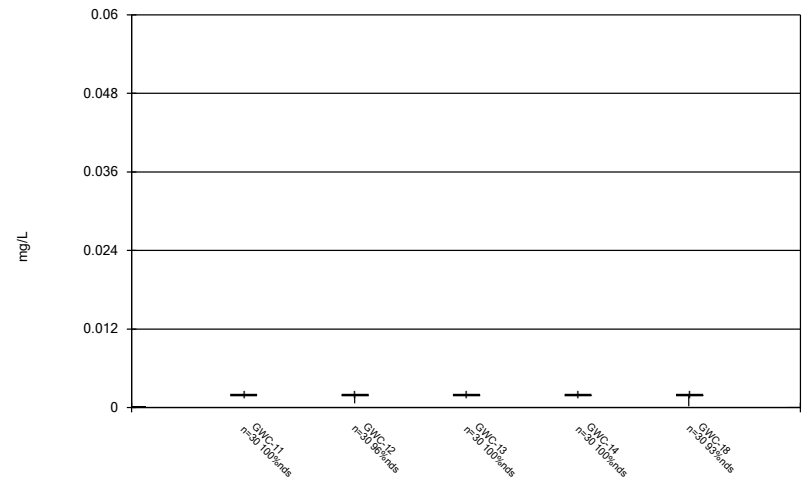
FIGURE B.

### Box & Whiskers Plot



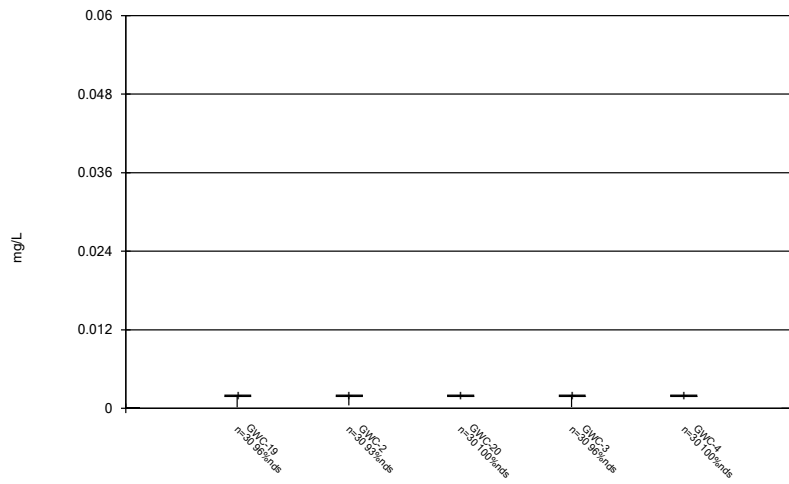
Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



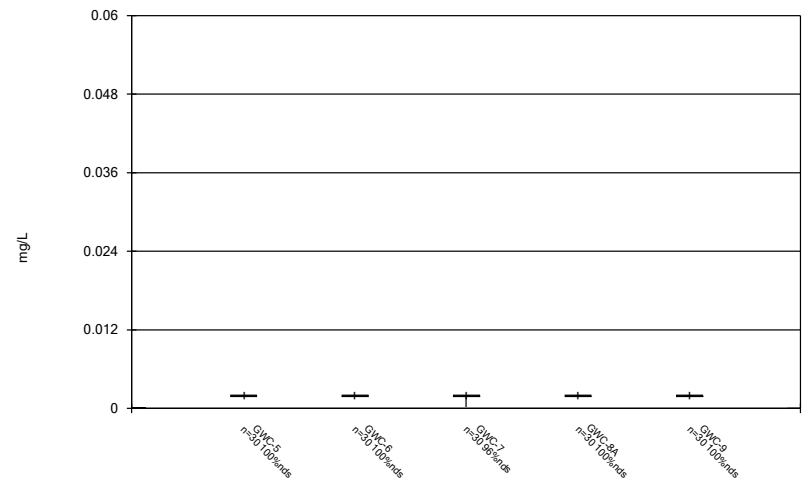
Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

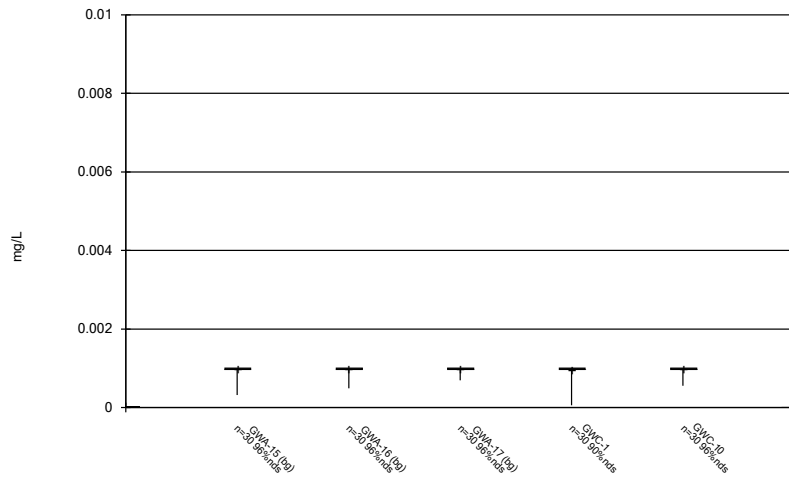
### Box & Whiskers Plot



Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

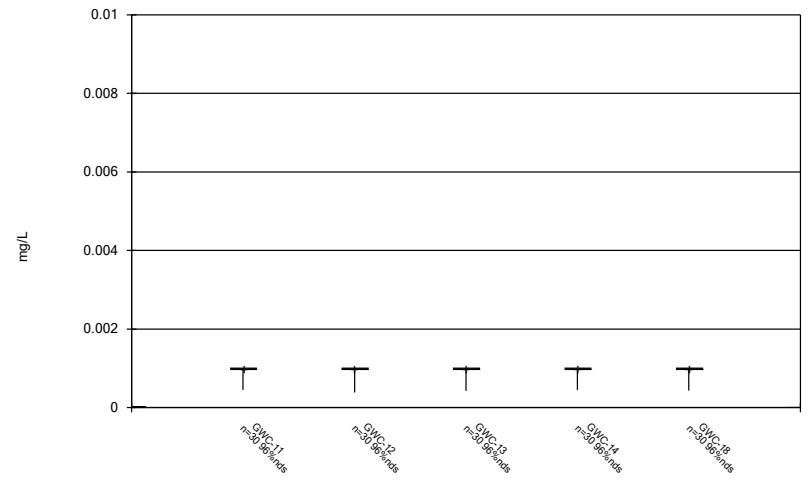


Box & Whiskers Plot



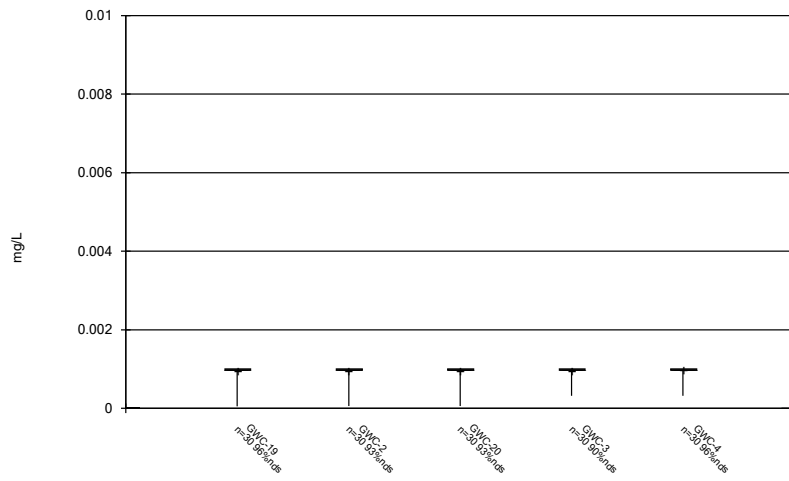
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



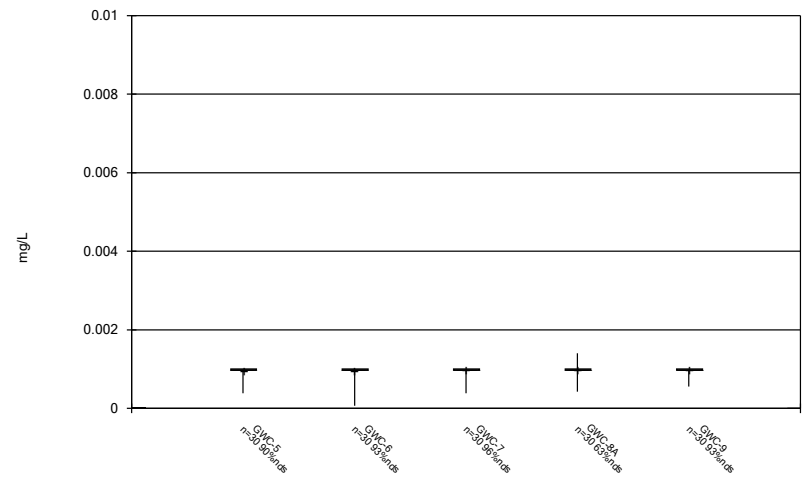
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



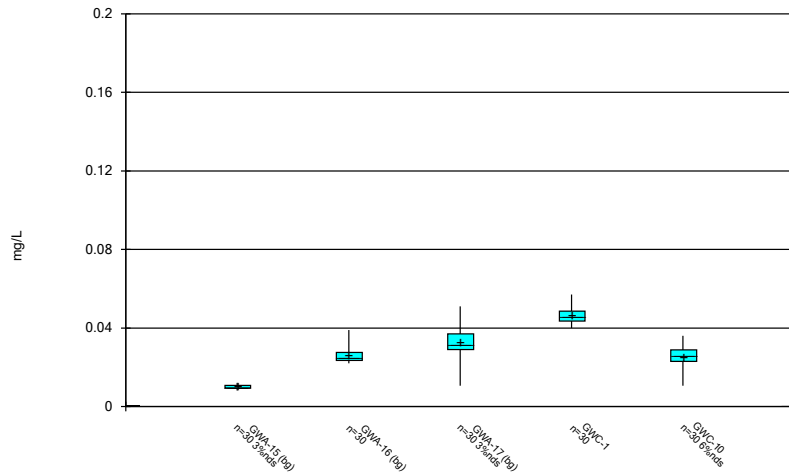
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



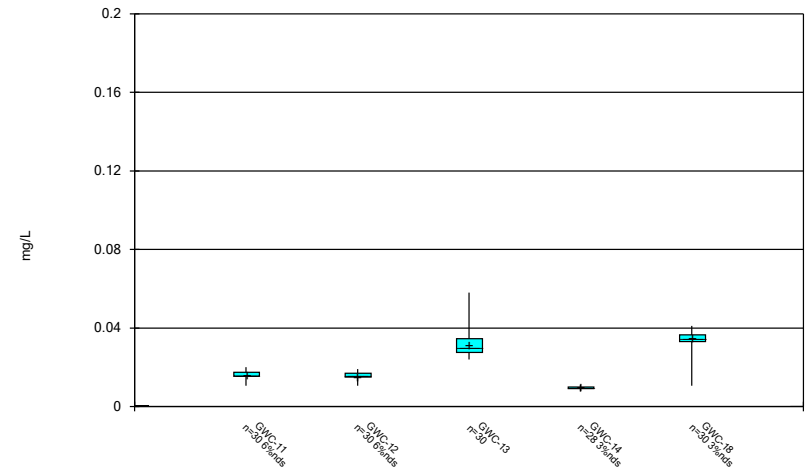
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



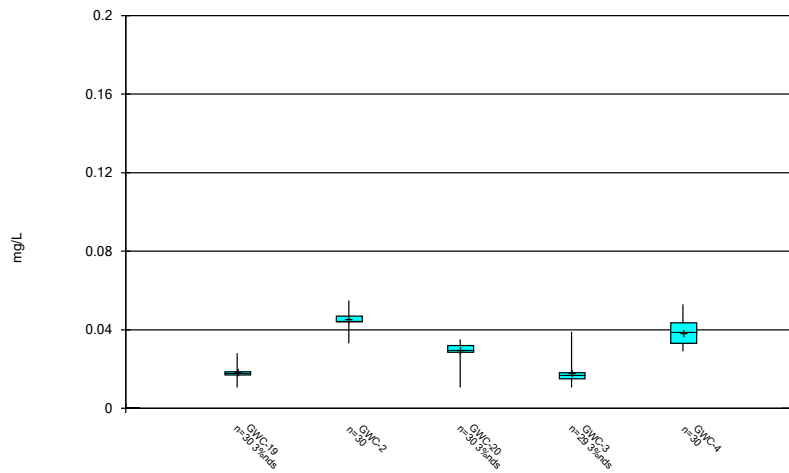
Constituent: Barium, Total Analysis Run 6/24/2021 10:05 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



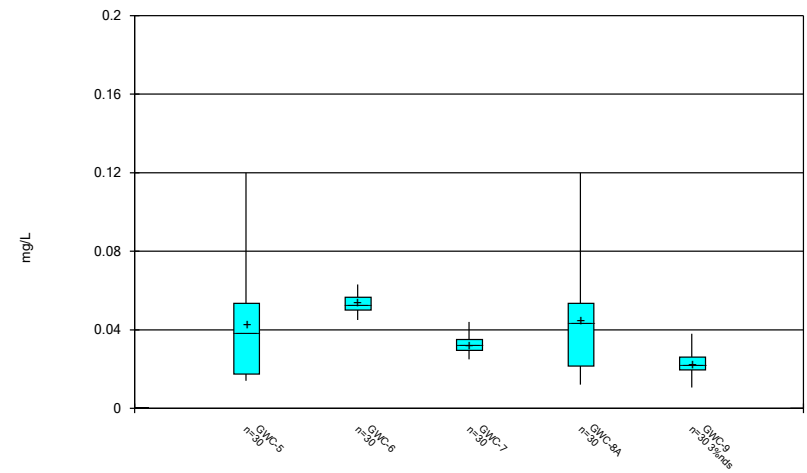
Constituent: Barium, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



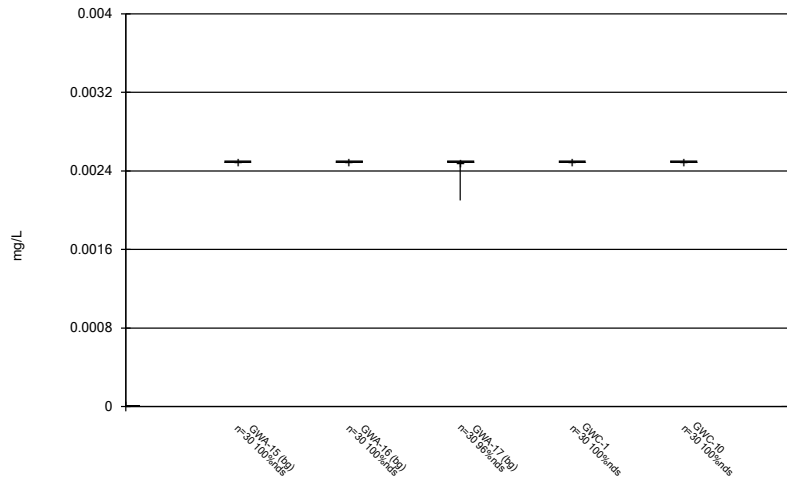
Constituent: Barium, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



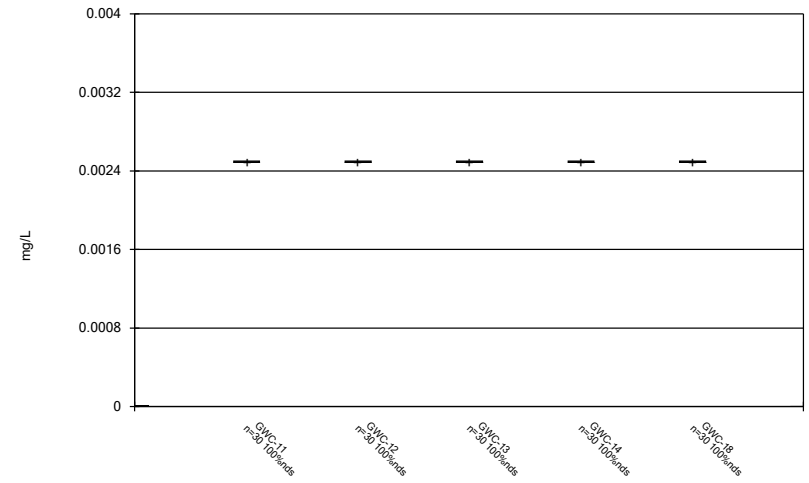
Constituent: Barium, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



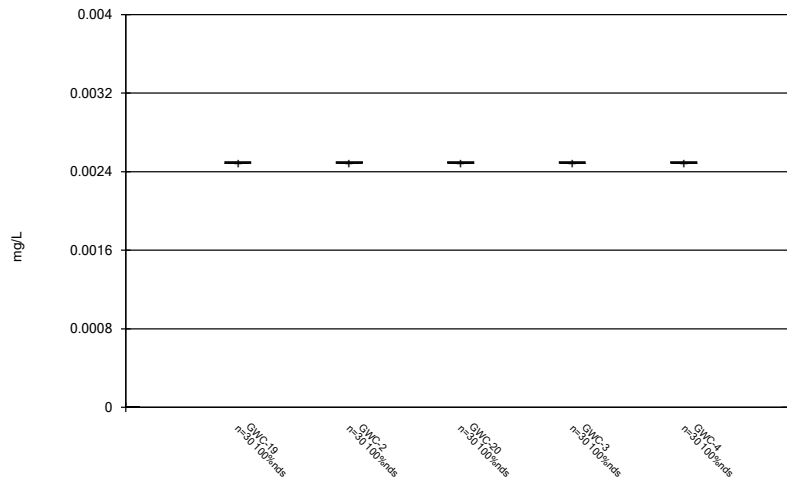
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



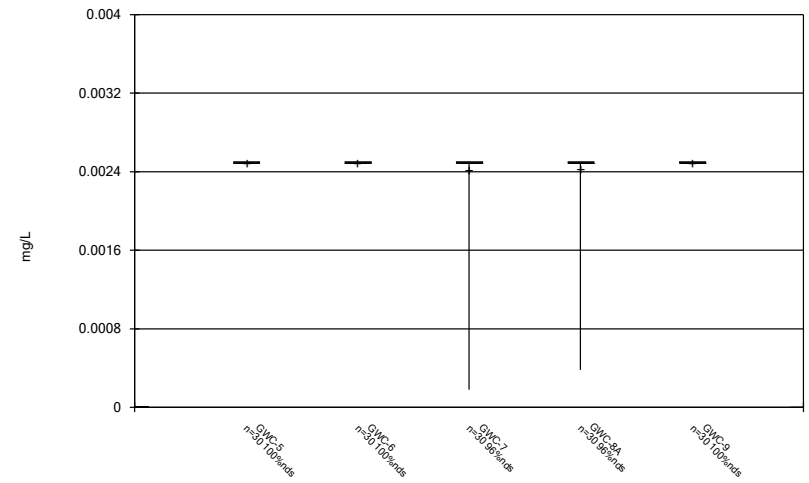
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



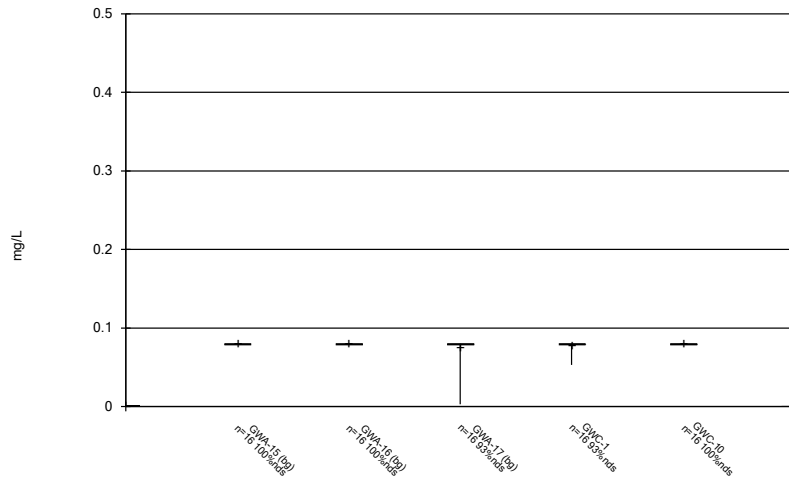
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



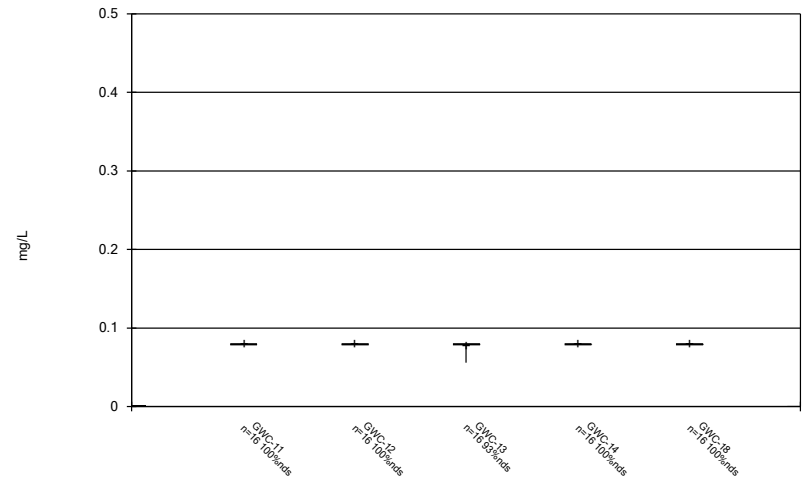
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



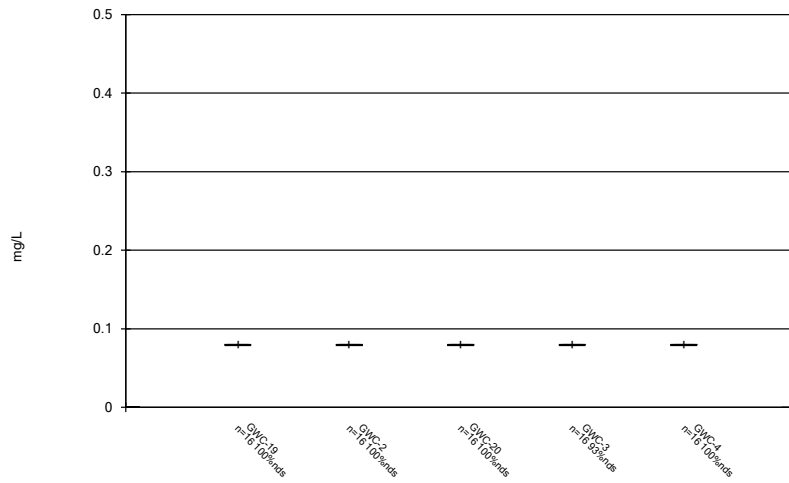
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



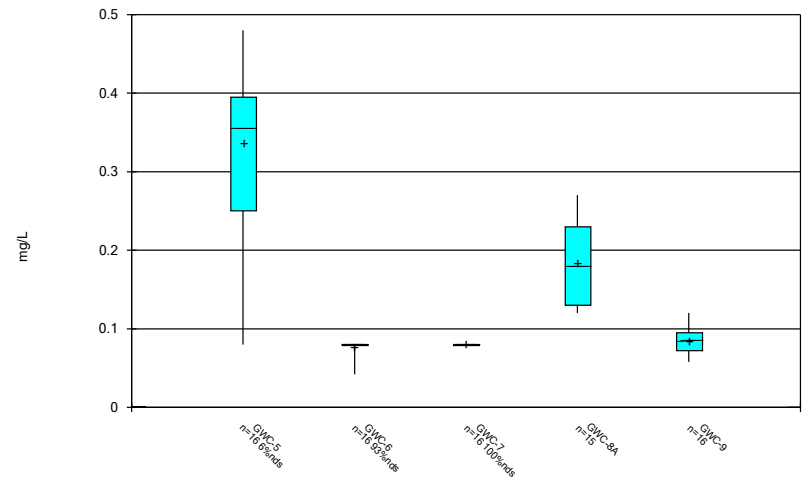
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



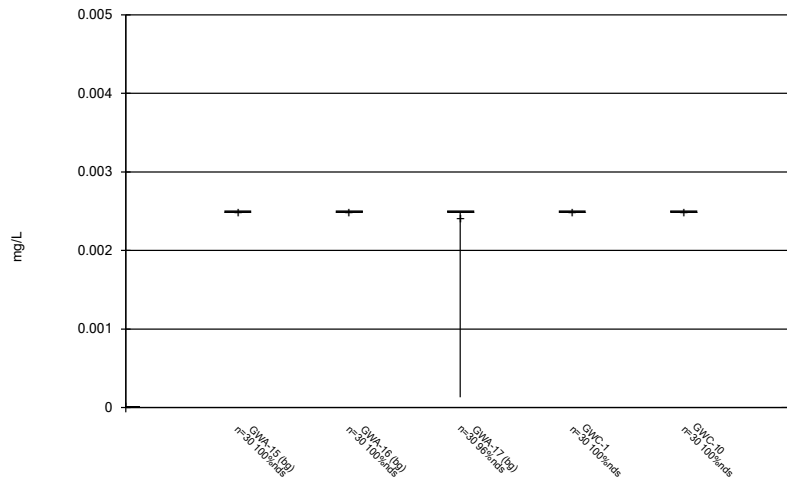
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



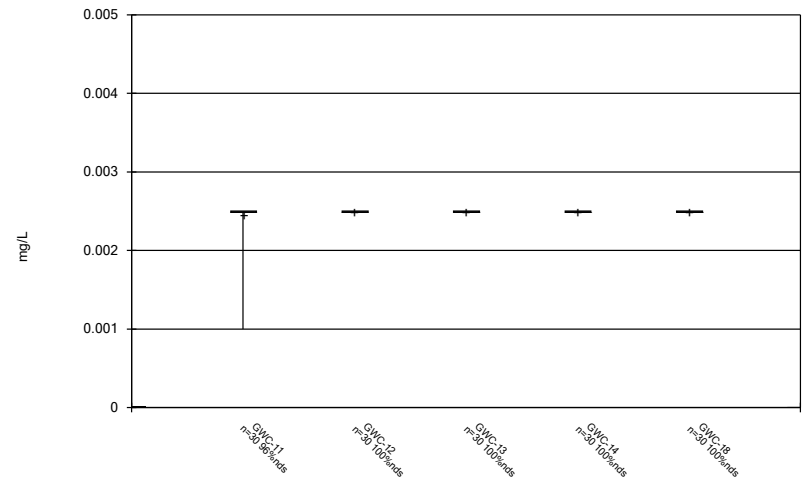
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



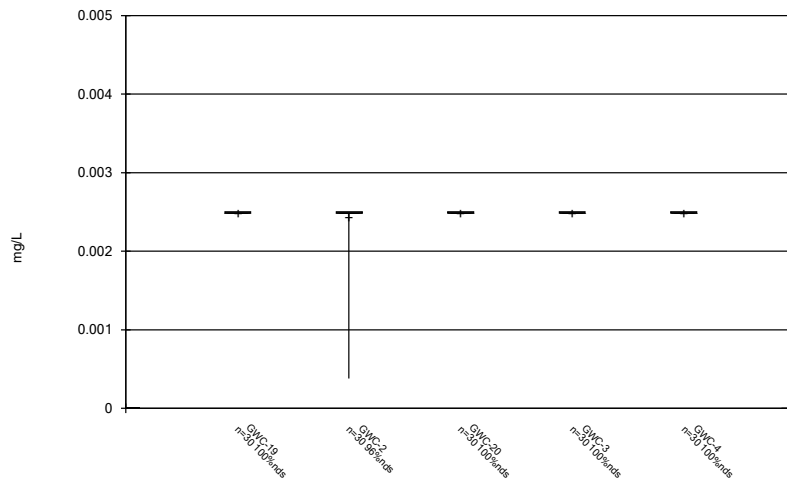
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



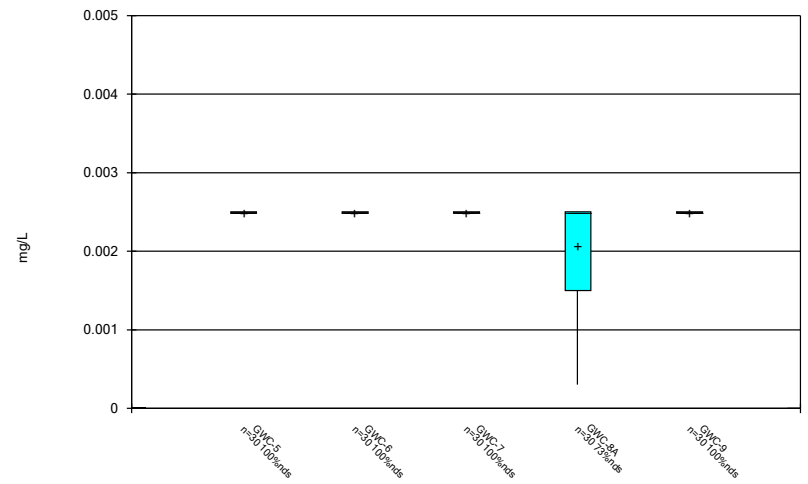
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



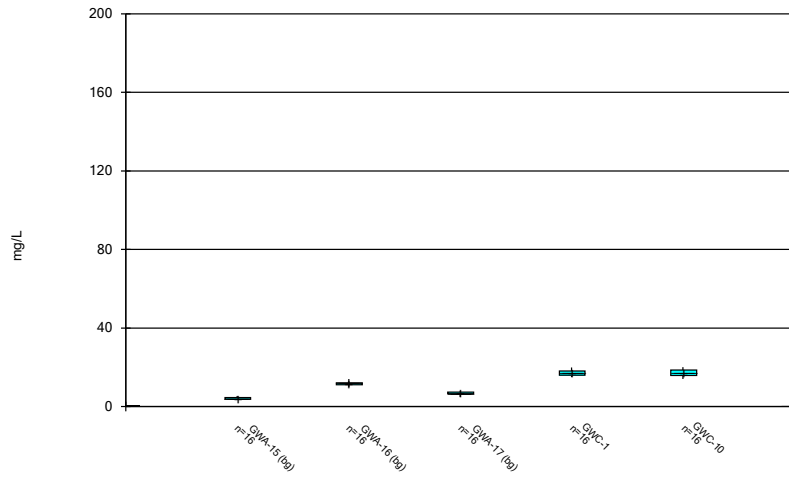
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



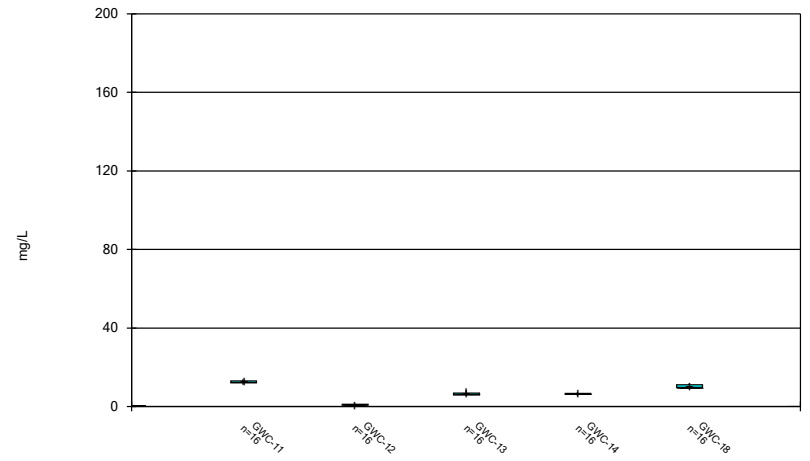
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



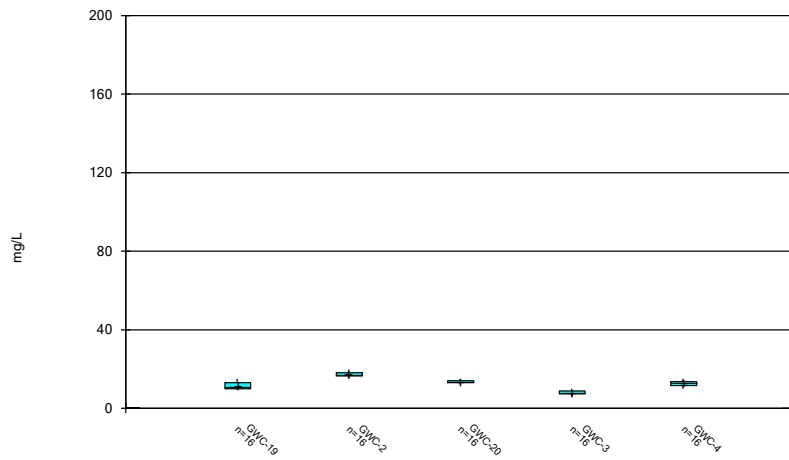
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



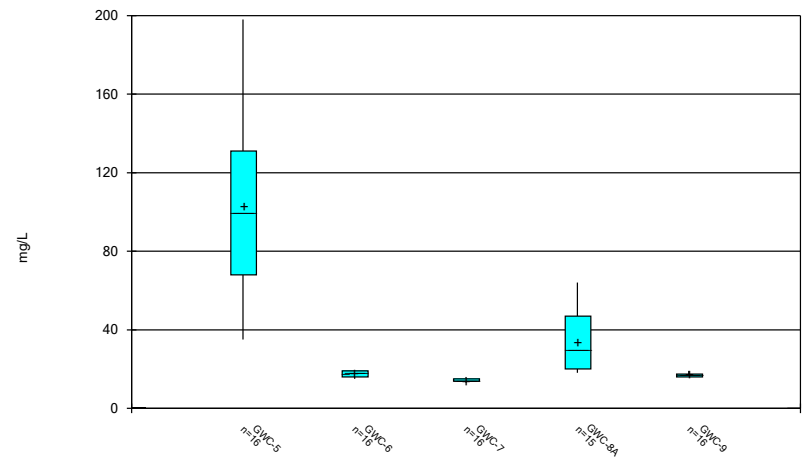
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



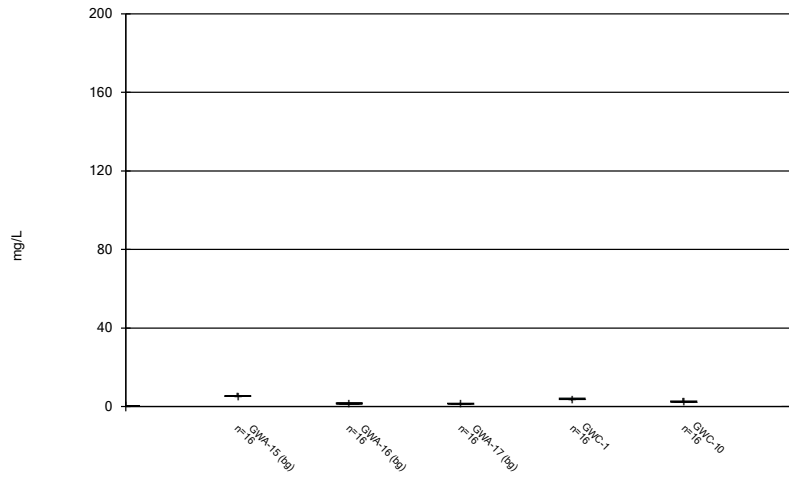
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



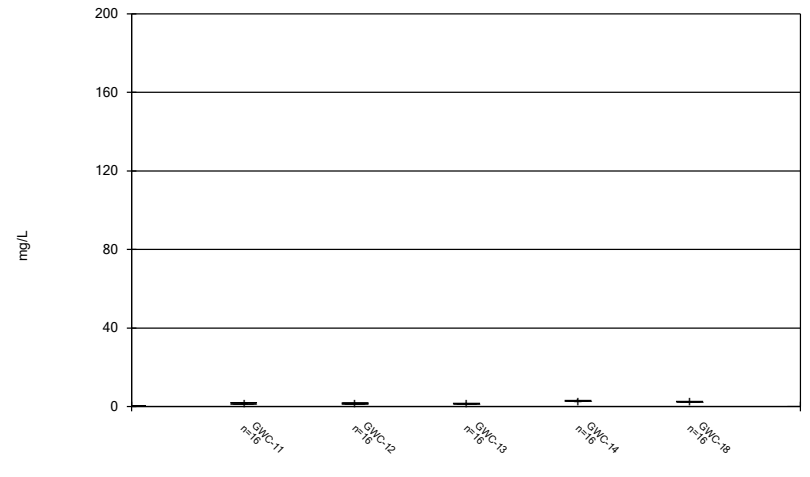
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



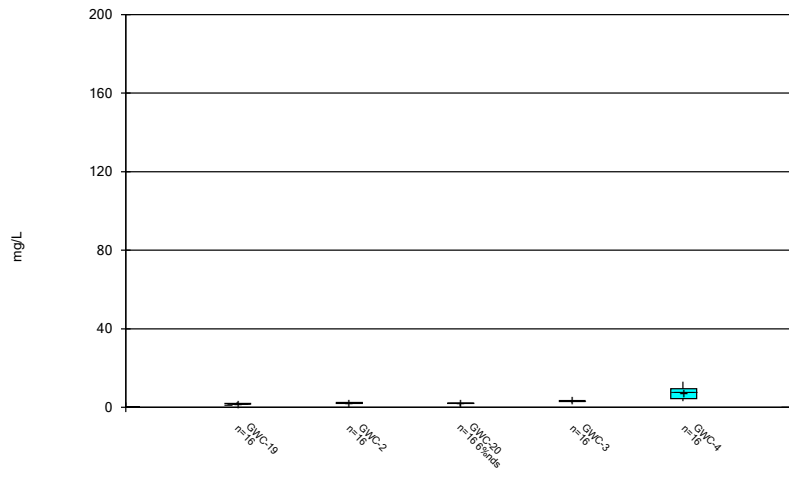
Constituent: Chloride, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



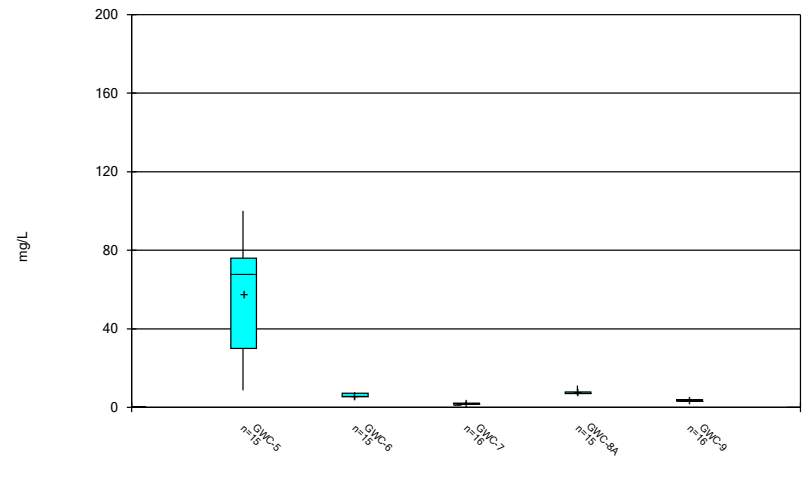
Constituent: Chloride, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



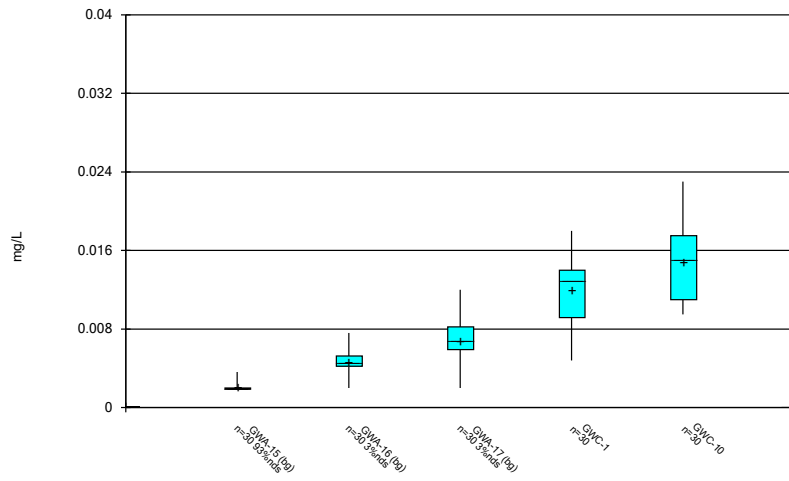
Constituent: Chloride, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



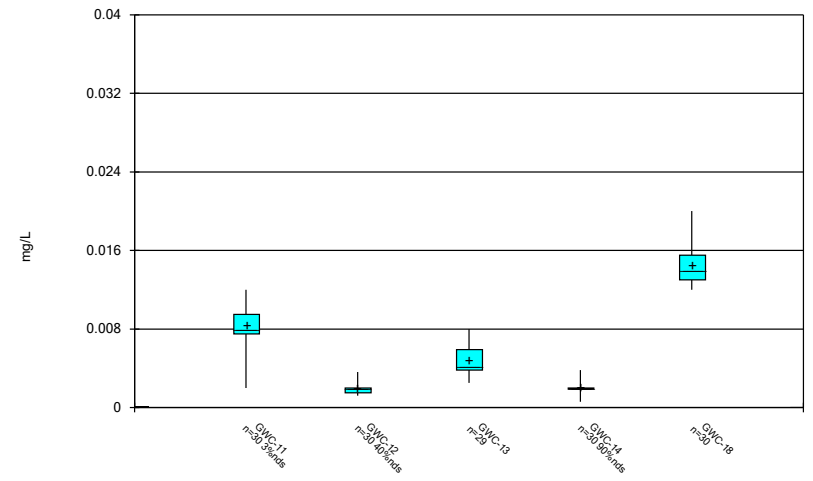
Constituent: Chloride, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



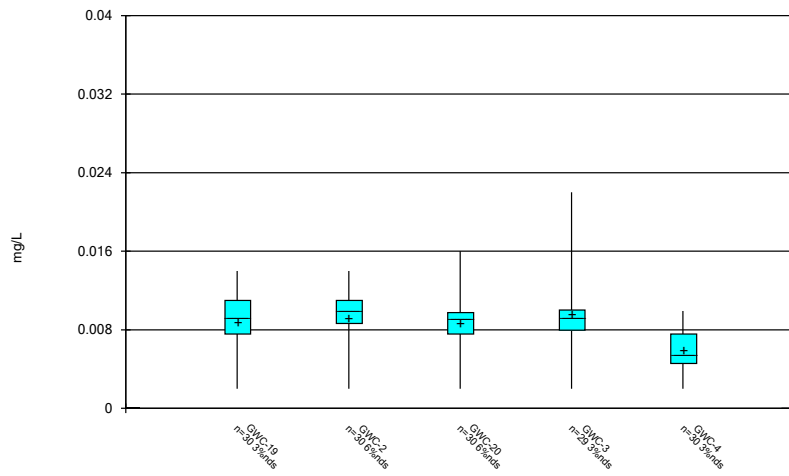
Constituent: Chromium, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



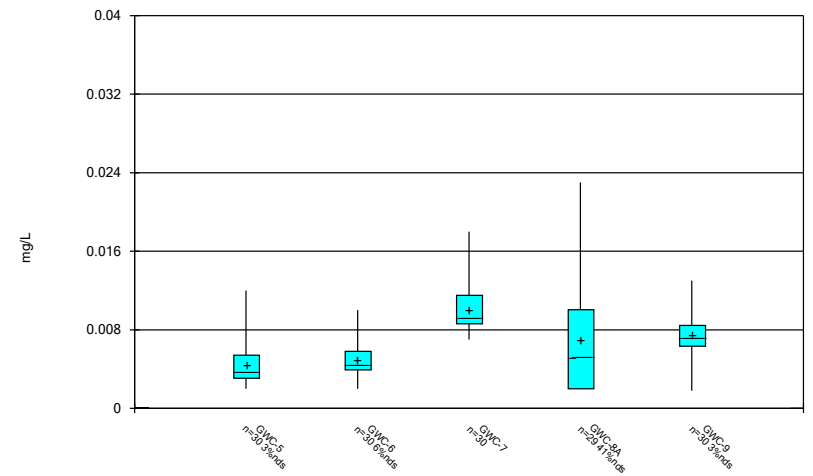
Constituent: Chromium, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Chromium, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

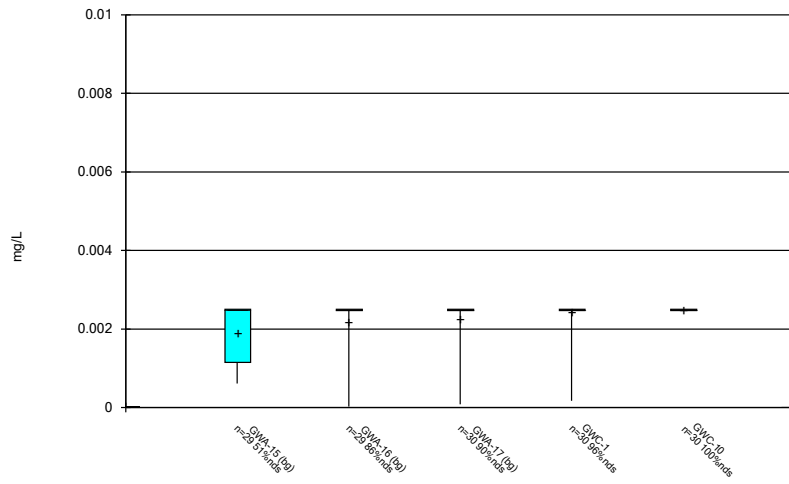
Box & Whiskers Plot



Constituent: Chromium, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

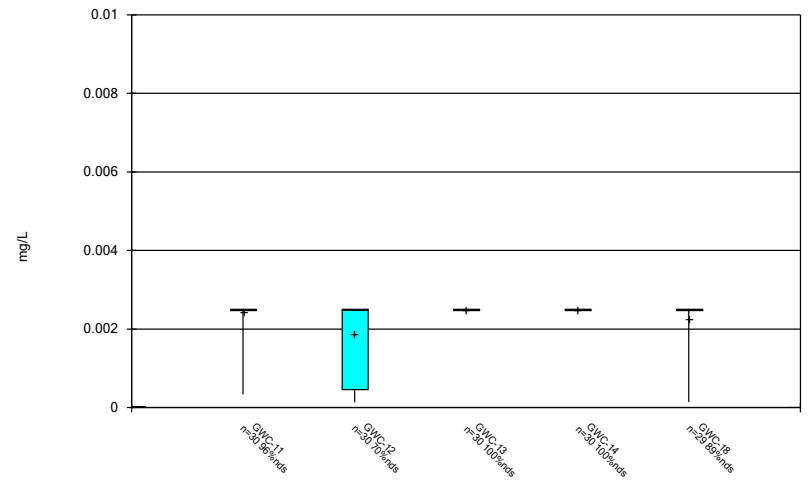


### Box & Whiskers Plot



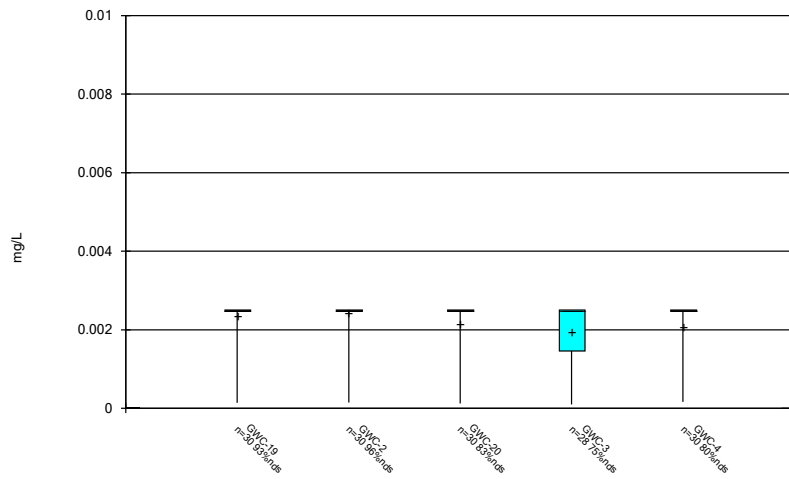
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



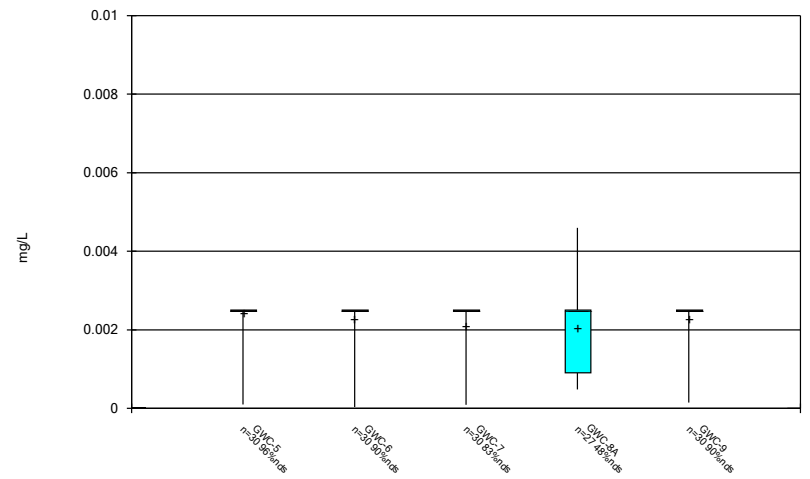
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



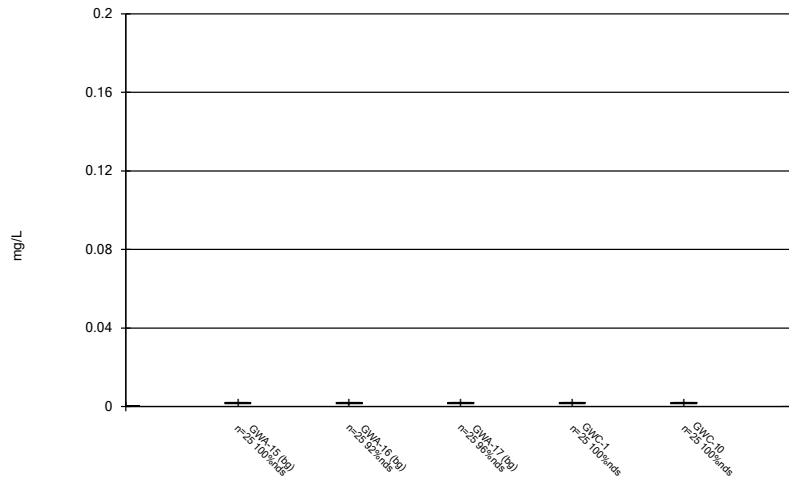
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



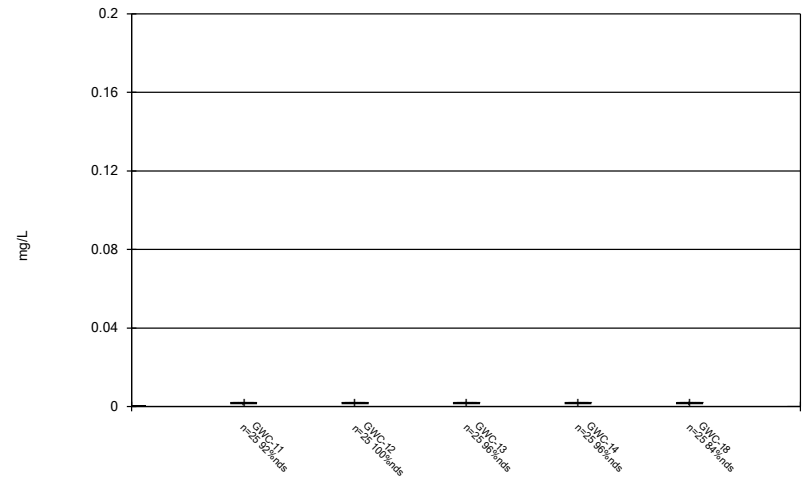
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



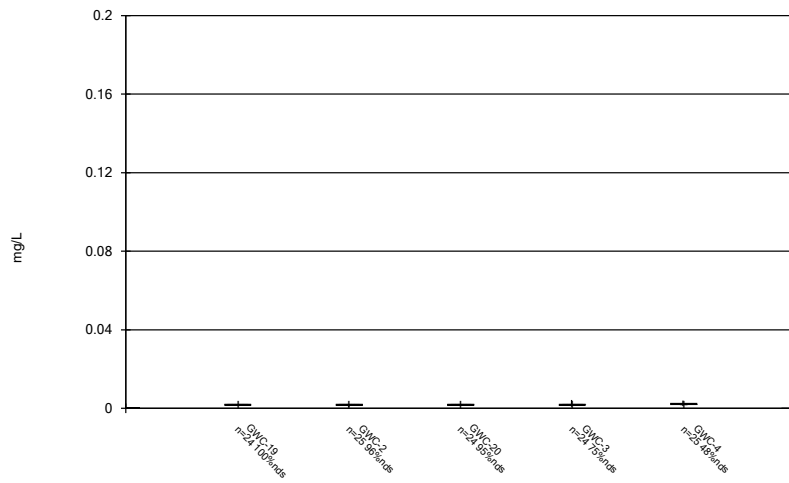
Constituent: Copper Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



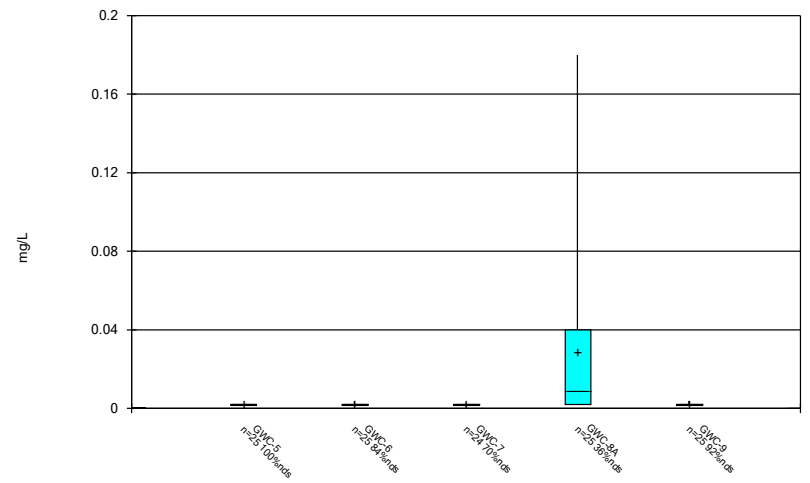
Constituent: Copper Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



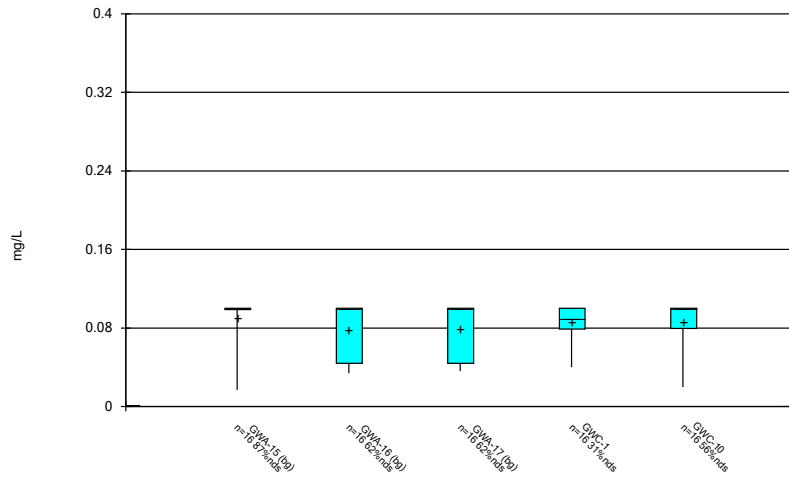
Constituent: Copper Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



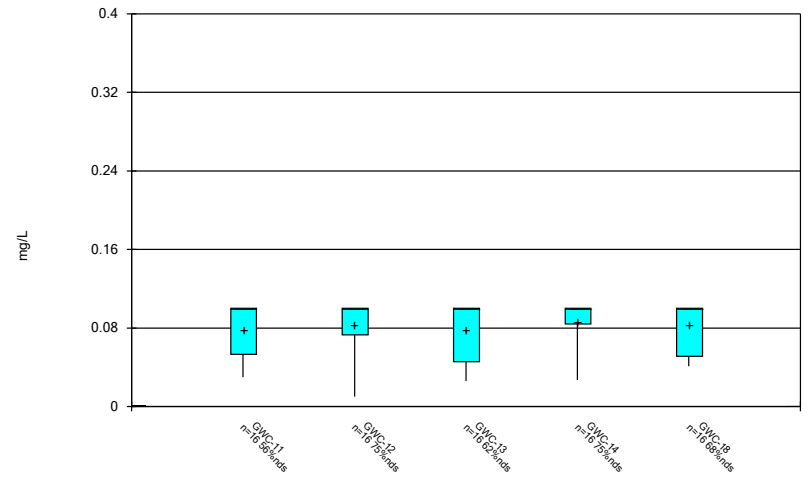
Constituent: Copper Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



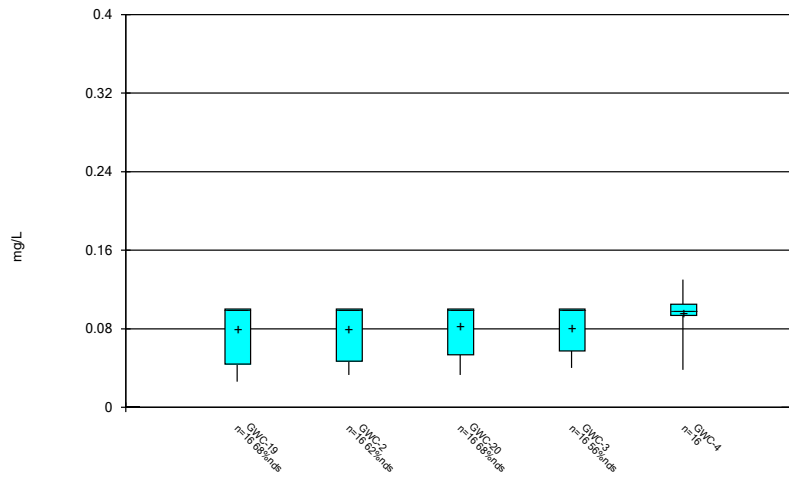
Constituent: Fluoride, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



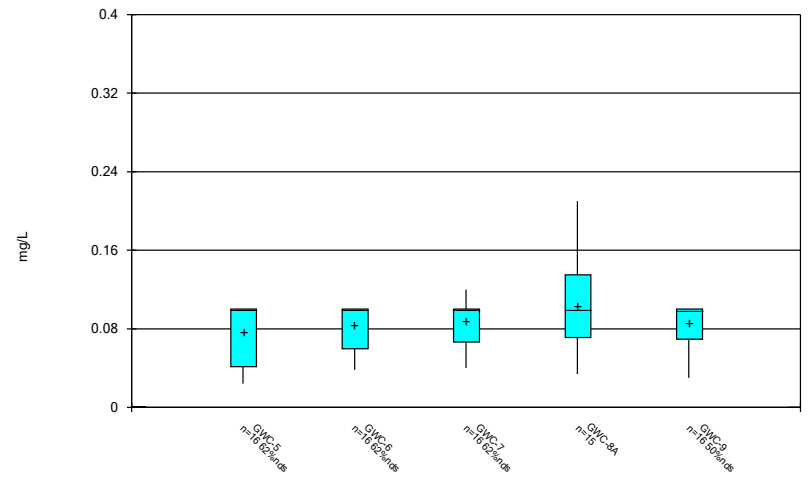
Constituent: Fluoride, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



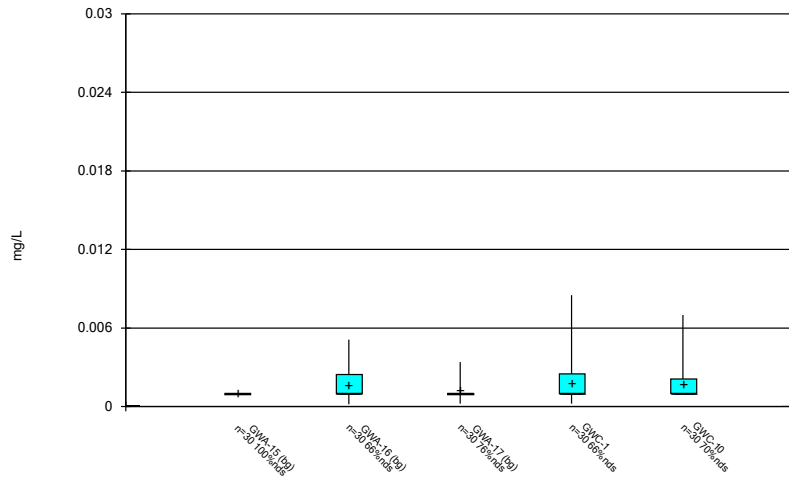
Constituent: Fluoride, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



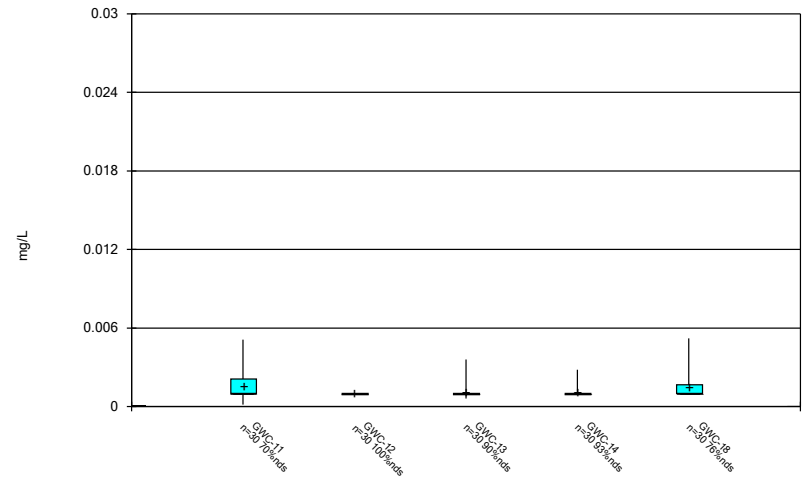
Constituent: Fluoride, total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



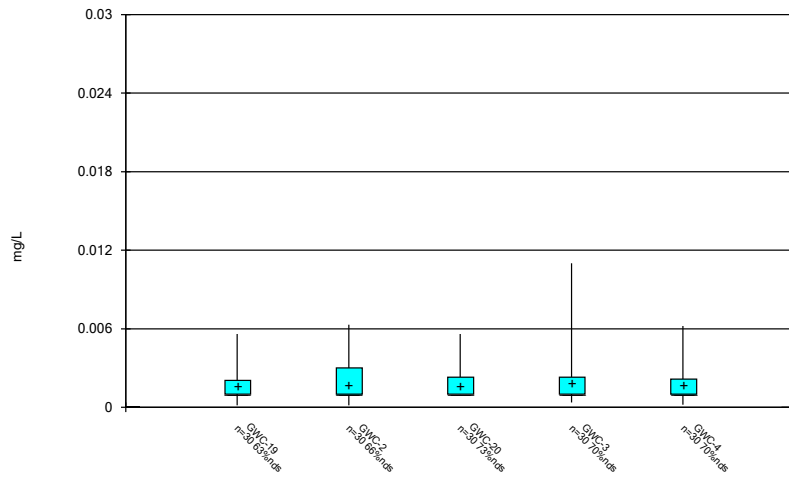
Constituent: Lead, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



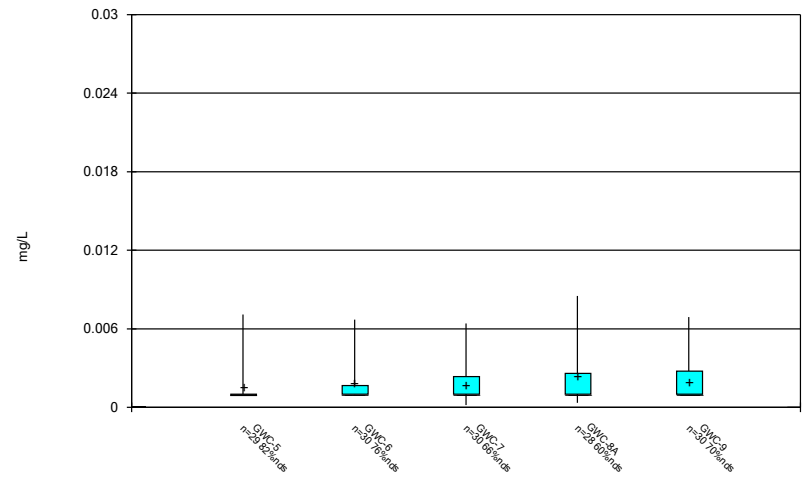
Constituent: Lead, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



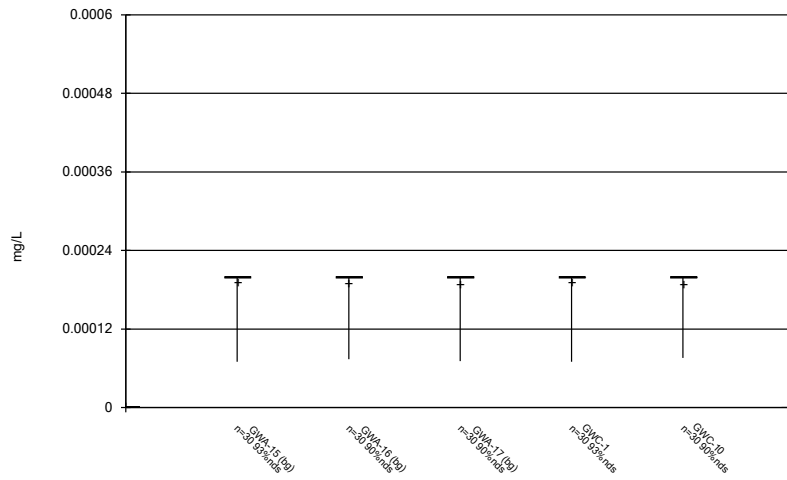
Constituent: Lead, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



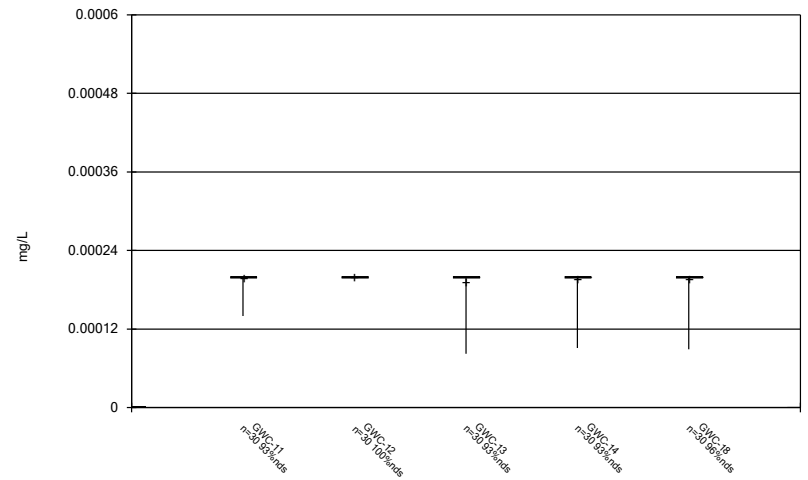
Constituent: Lead, Total Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



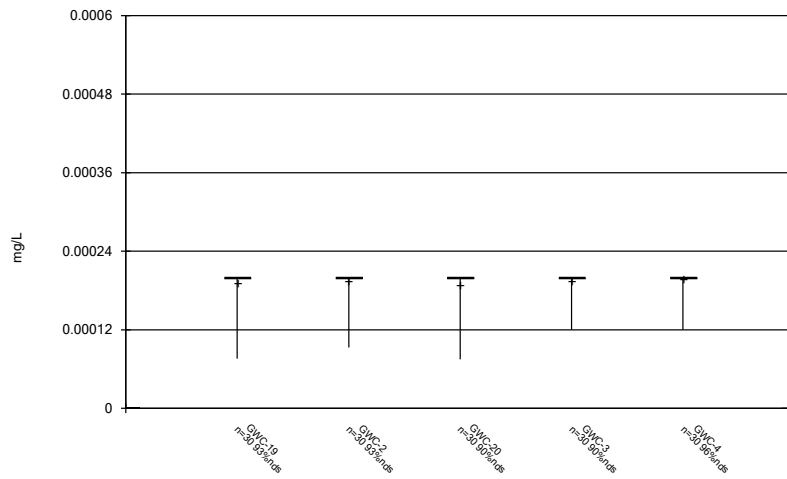
Constituent: Mercury Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



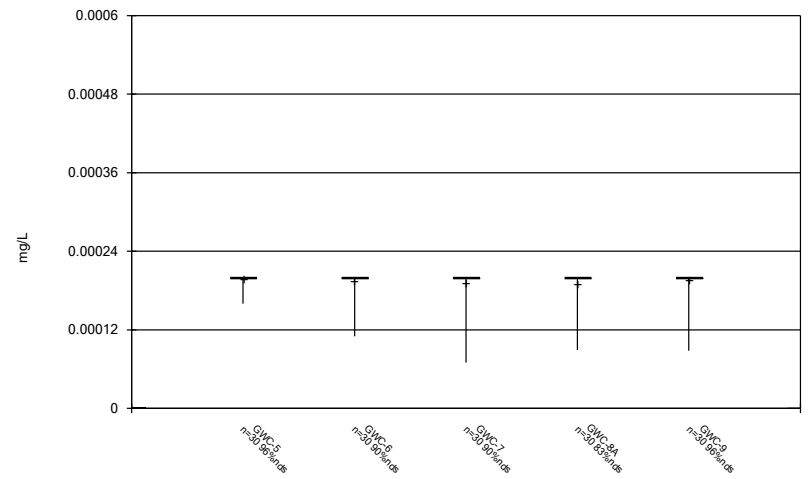
Constituent: Mercury Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



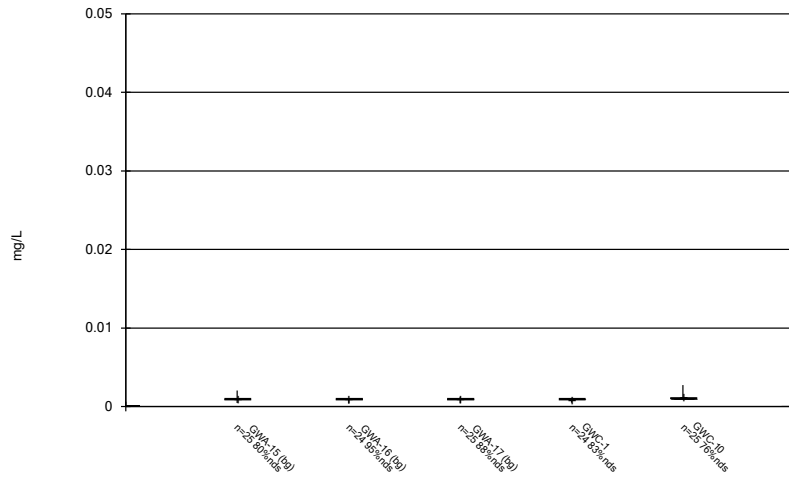
Constituent: Mercury Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



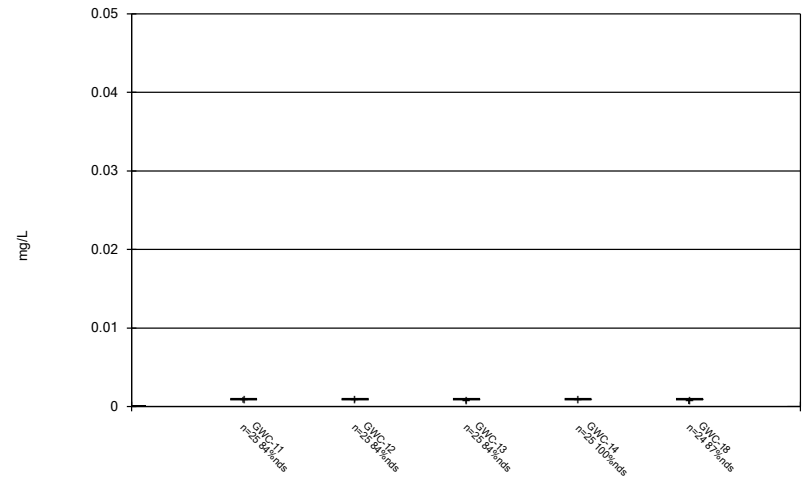
Constituent: Mercury Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



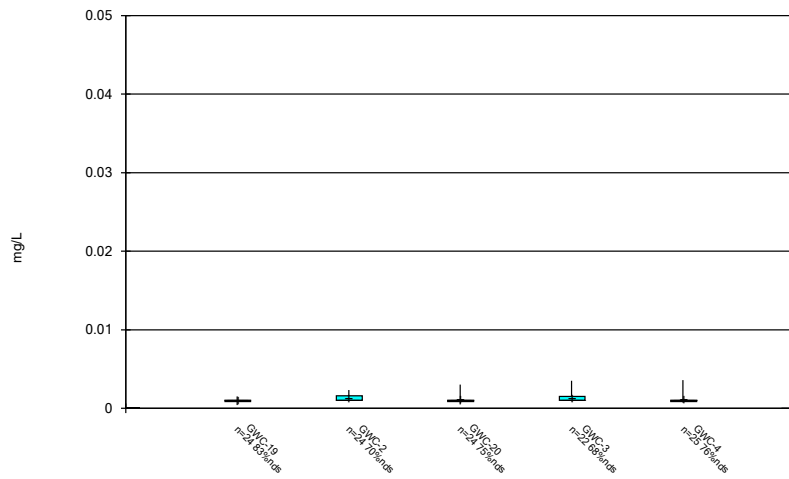
Constituent: Nickel Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



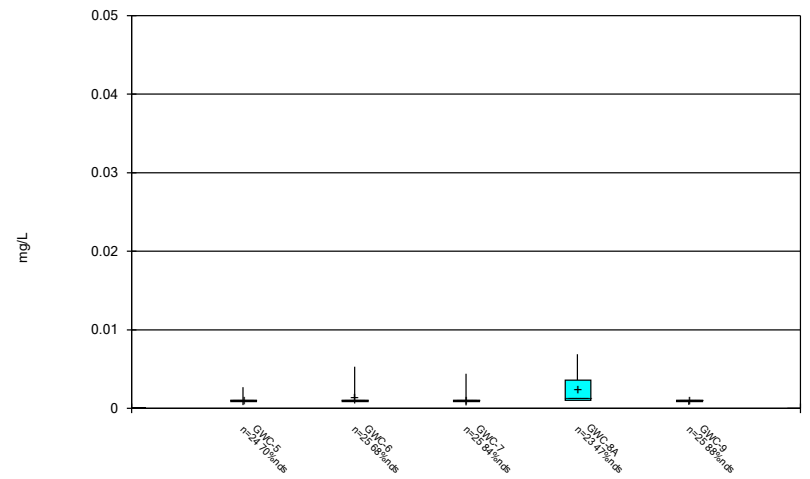
Constituent: Nickel Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



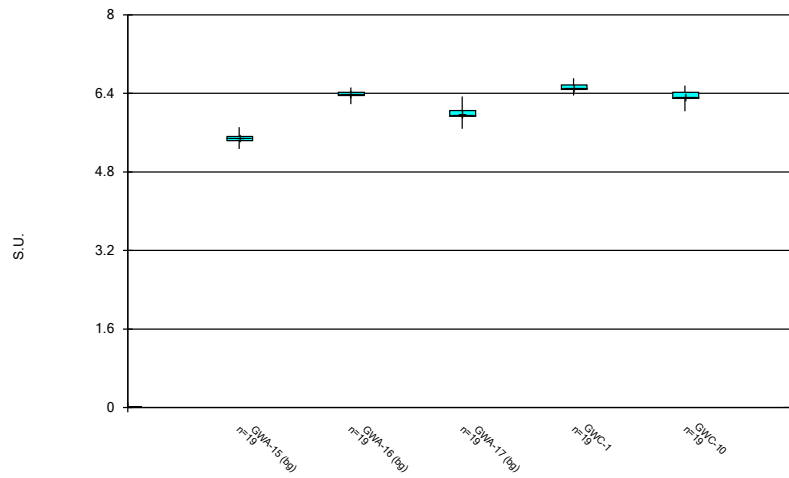
Constituent: Nickel Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



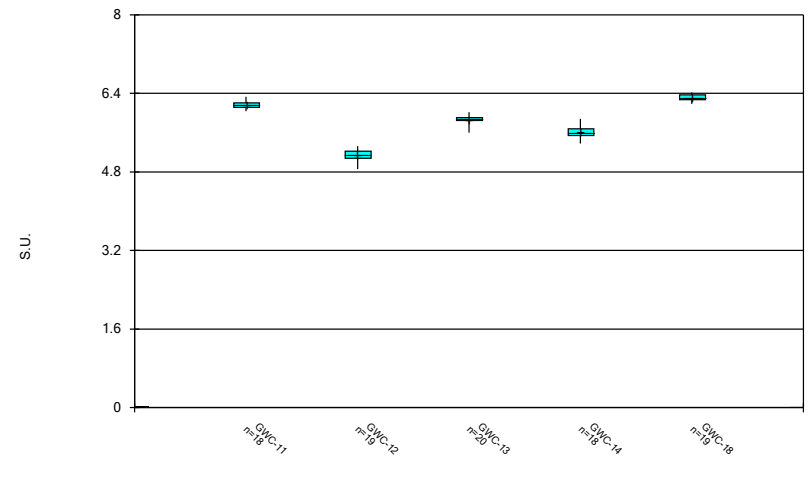
Constituent: Nickel Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



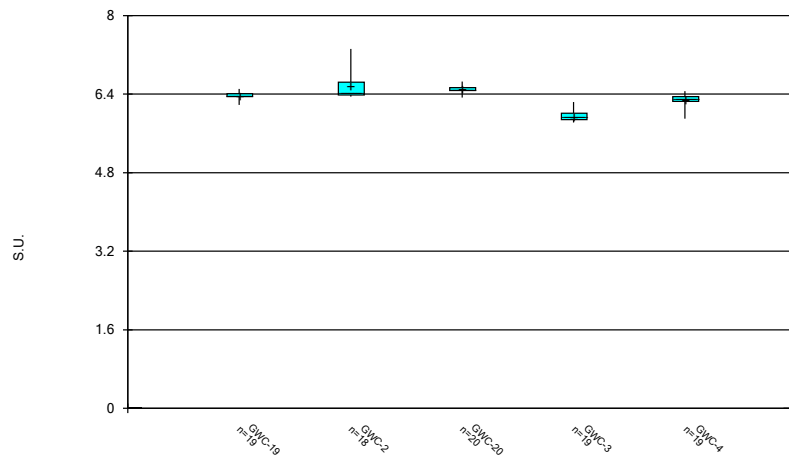
Constituent: pH, Field Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



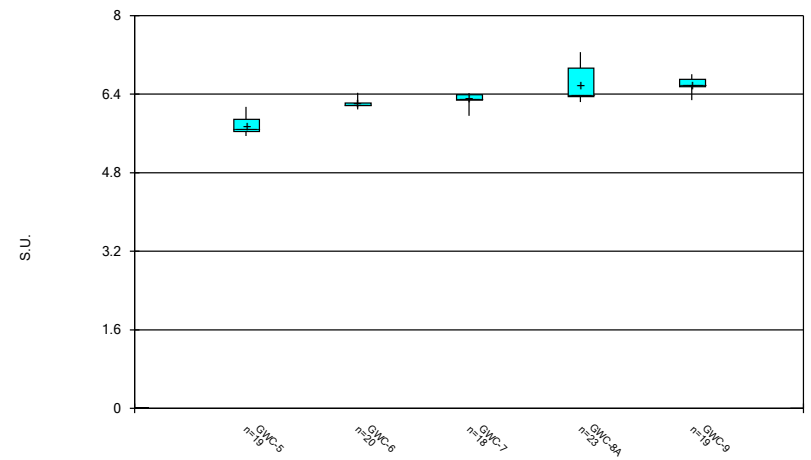
Constituent: pH, Field Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



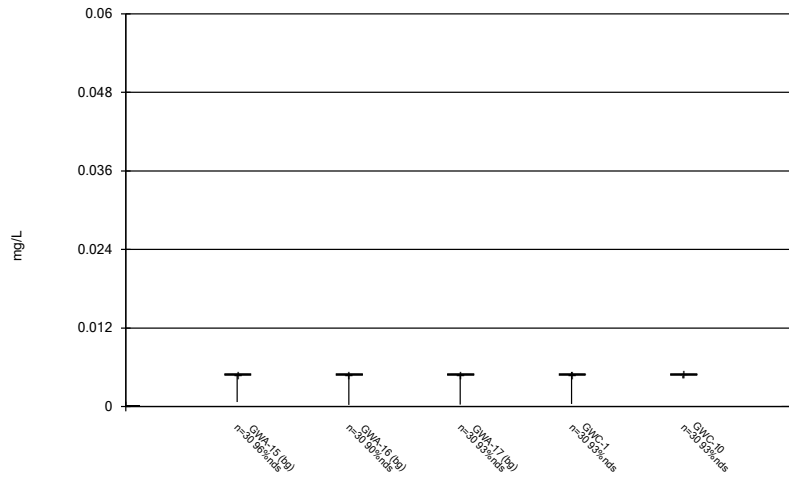
Constituent: pH, Field Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



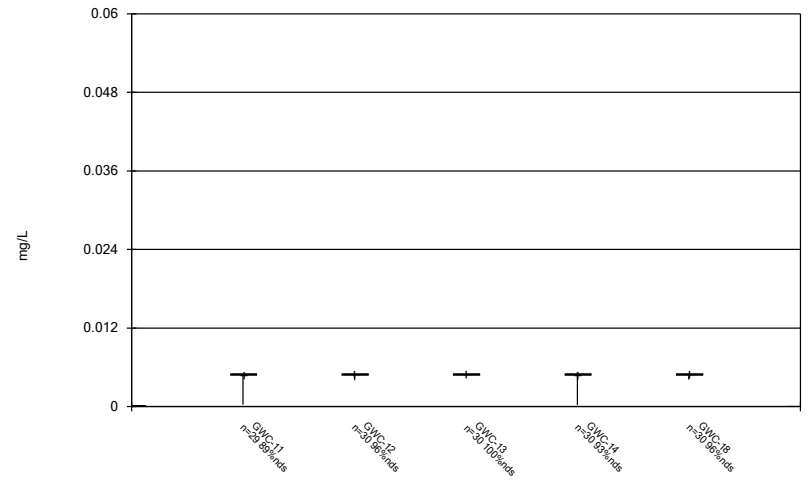
Constituent: pH, Field Analysis Run 6/24/2021 10:06 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



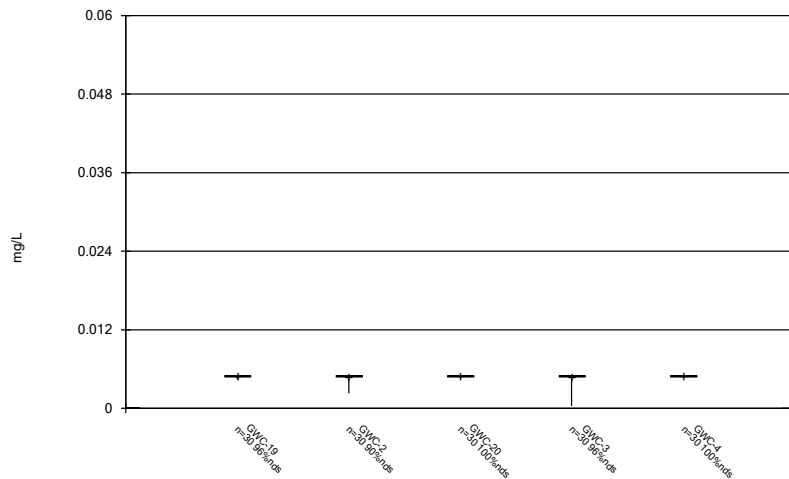
Constituent: Selenium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



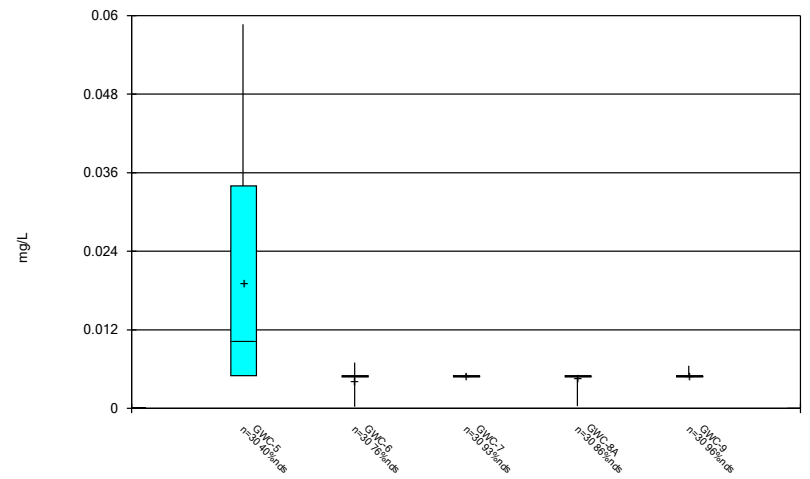
Constituent: Selenium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Selenium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

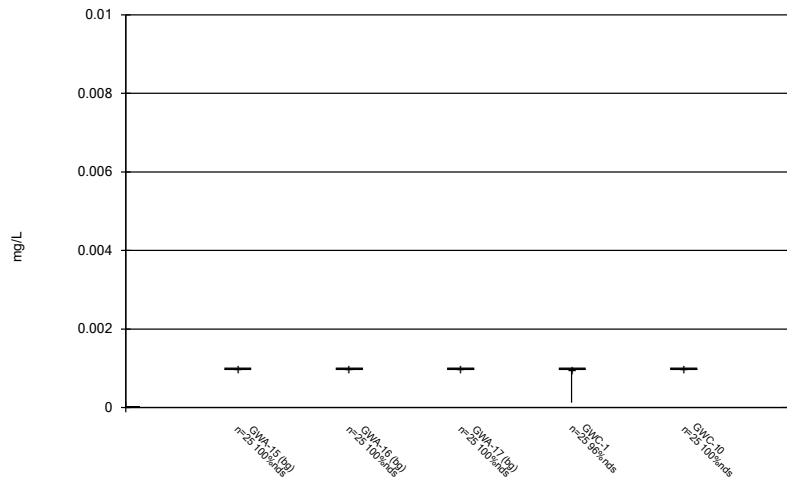
Box & Whiskers Plot



Constituent: Selenium, Total Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

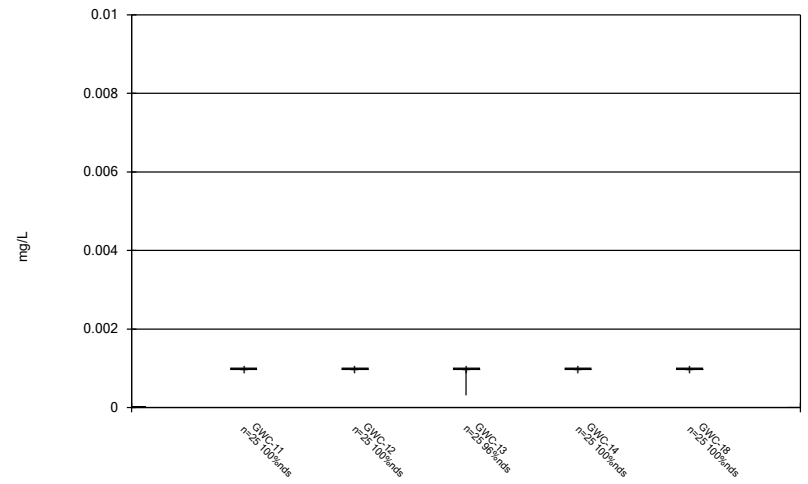


### Box & Whiskers Plot



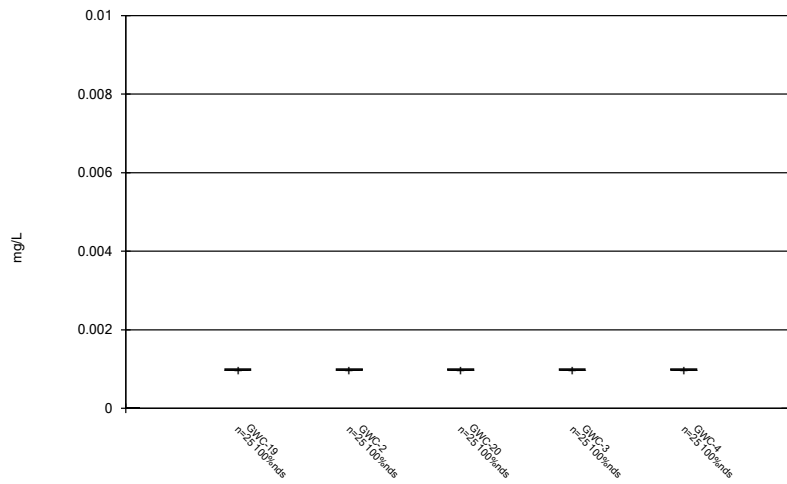
Constituent: Silver Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



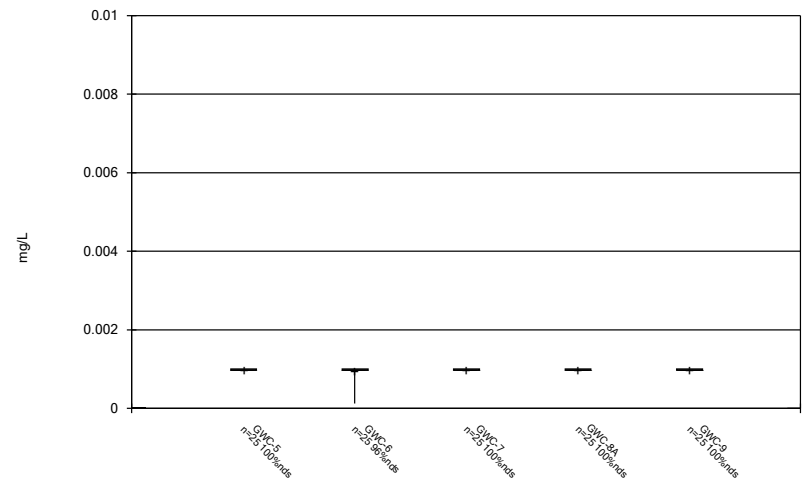
Constituent: Silver Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



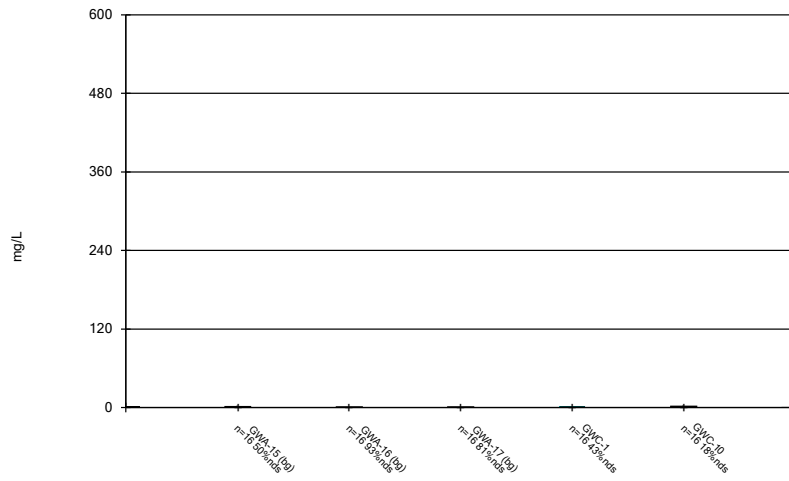
Constituent: Silver Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



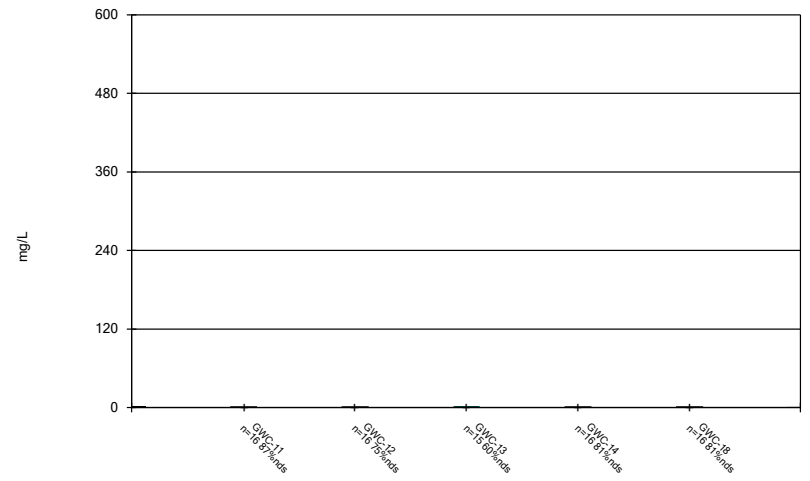
Constituent: Silver Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



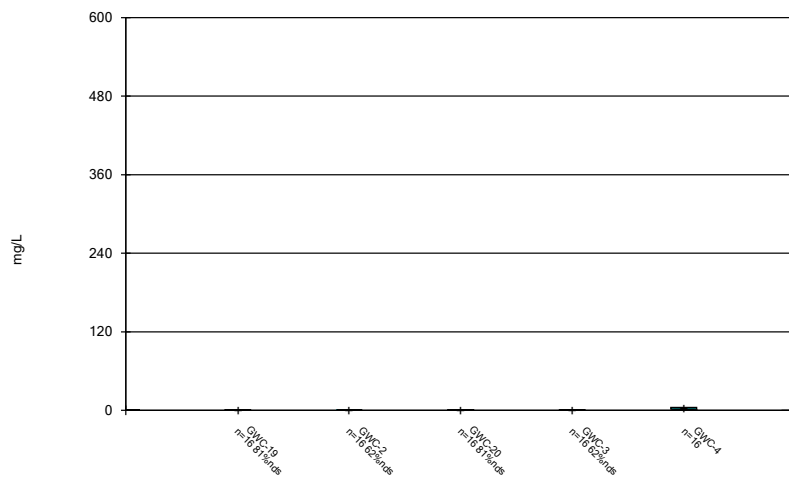
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



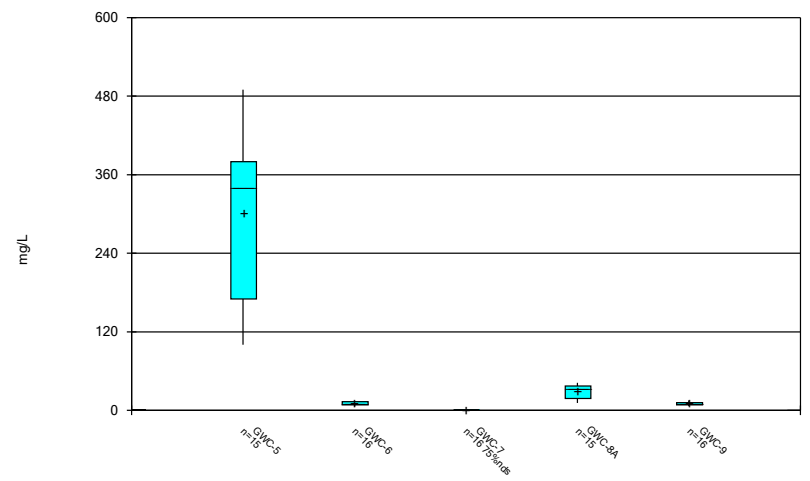
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



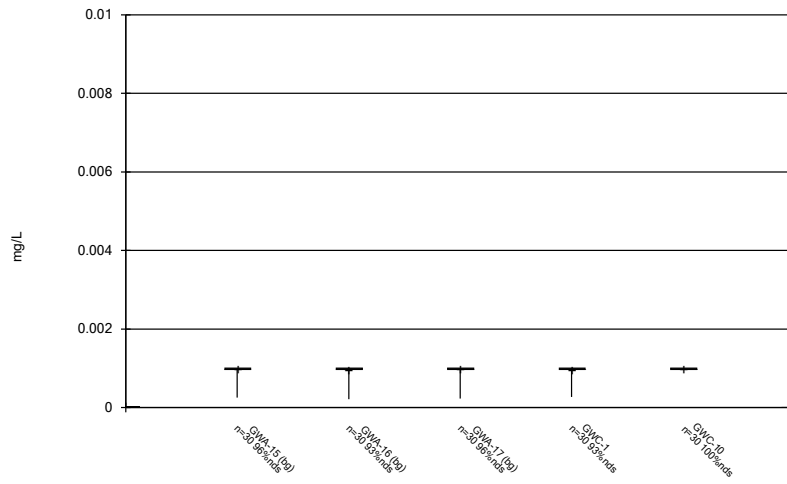
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



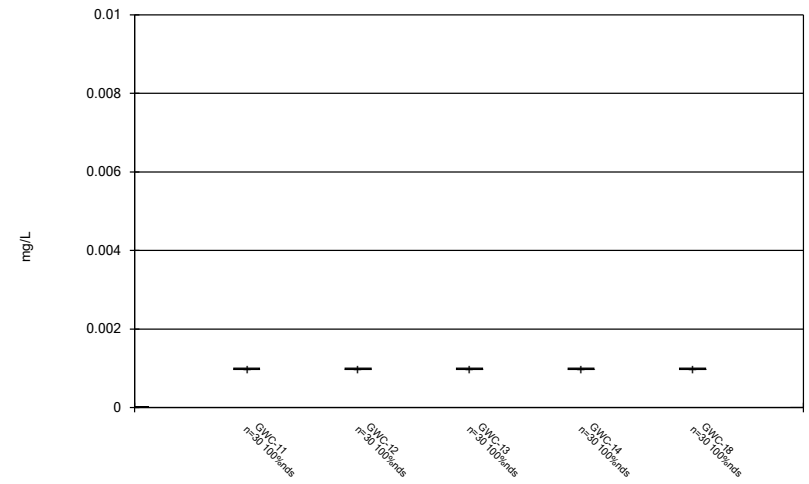
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:06 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



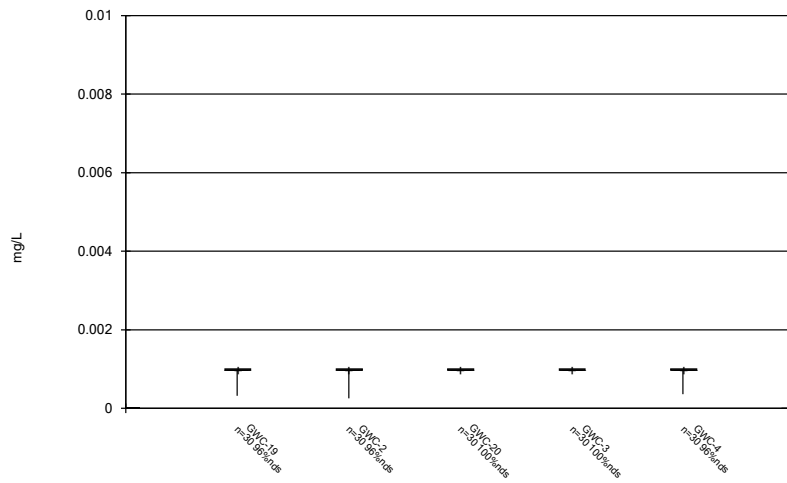
Constituent: Thallium, Total Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



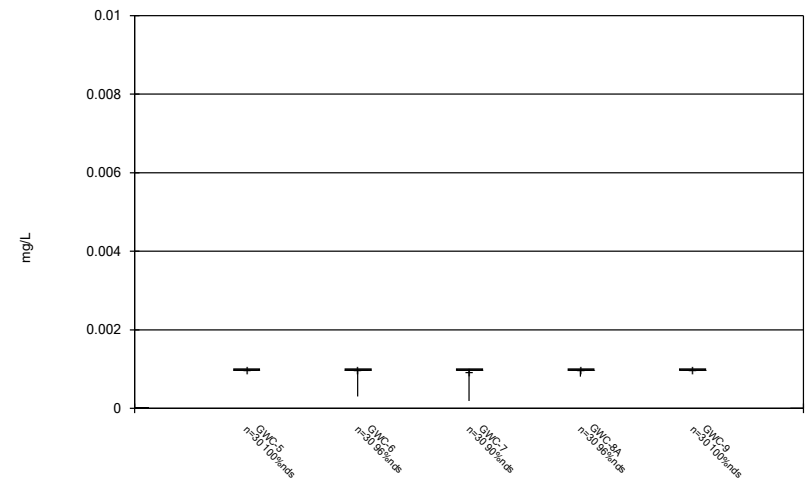
Constituent: Thallium, Total Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



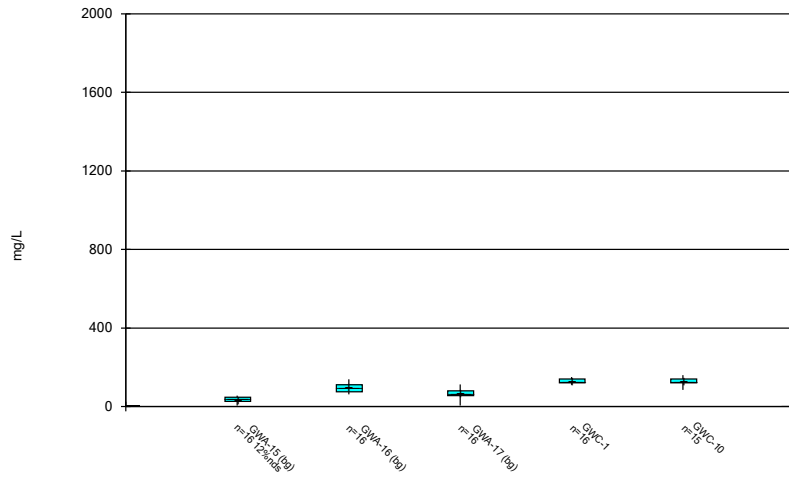
Constituent: Thallium, Total Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



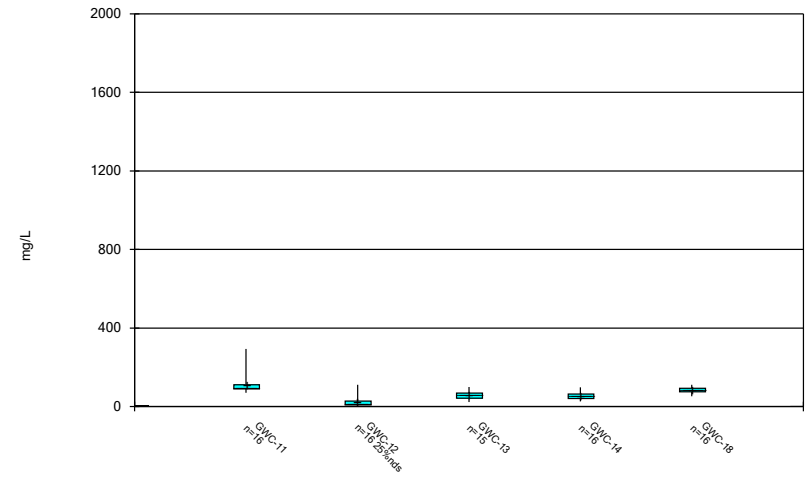
Constituent: Thallium, Total Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



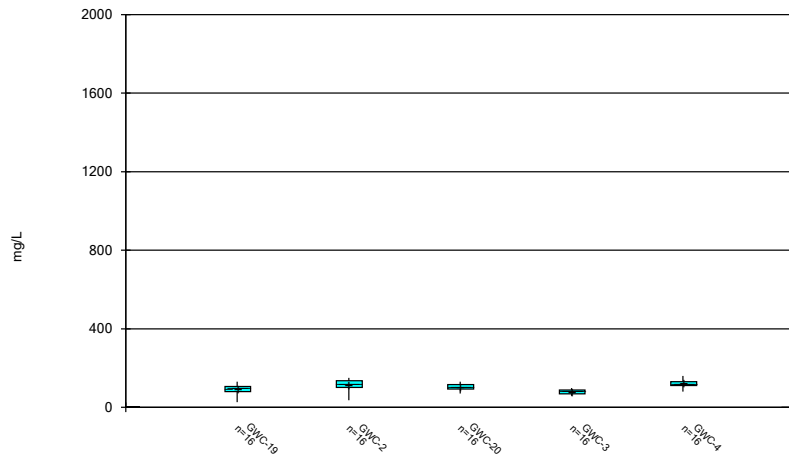
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



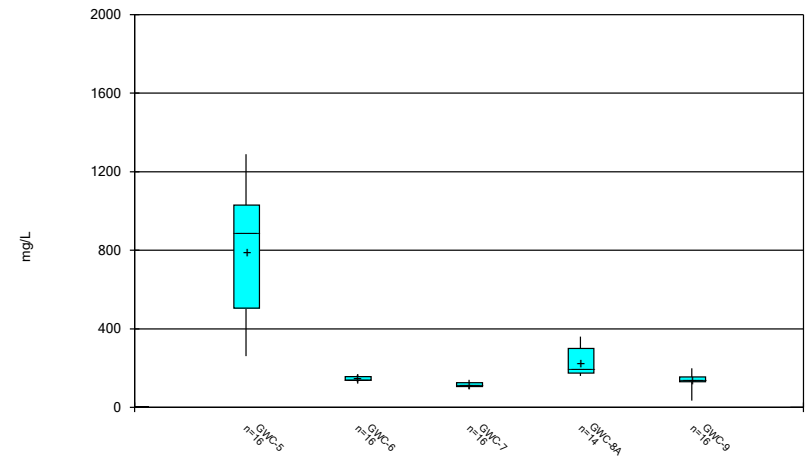
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



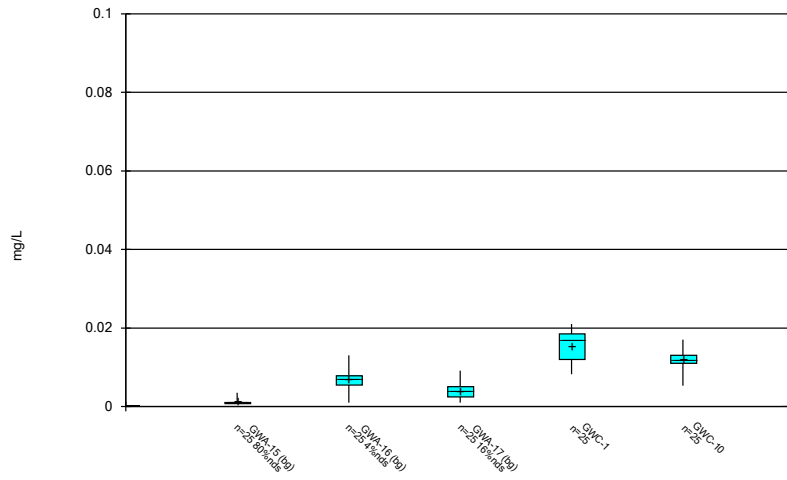
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



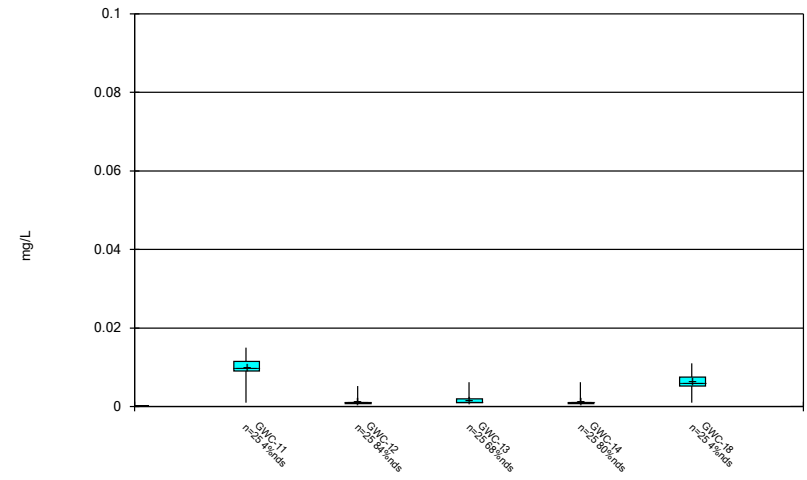
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



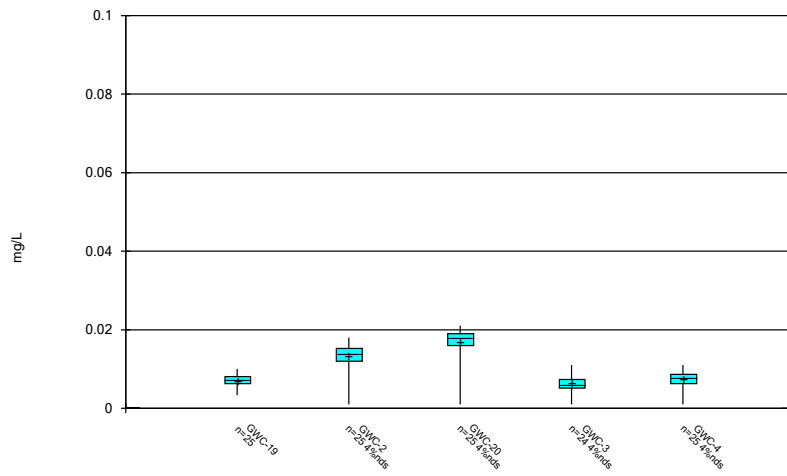
Constituent: Vanadium Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



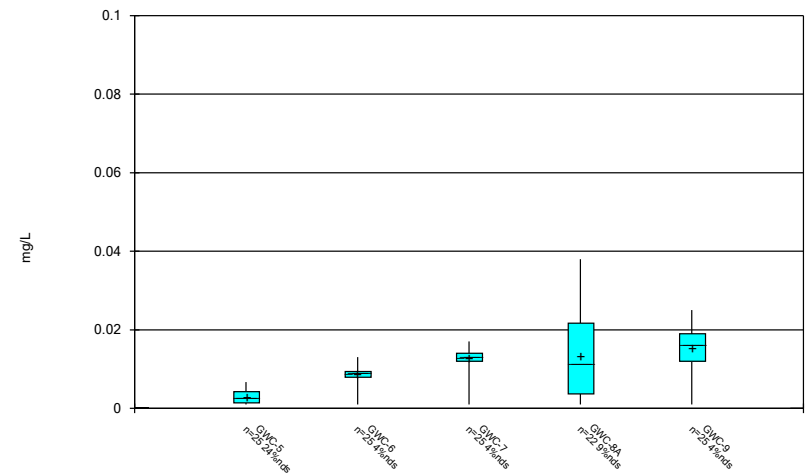
Constituent: Vanadium Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



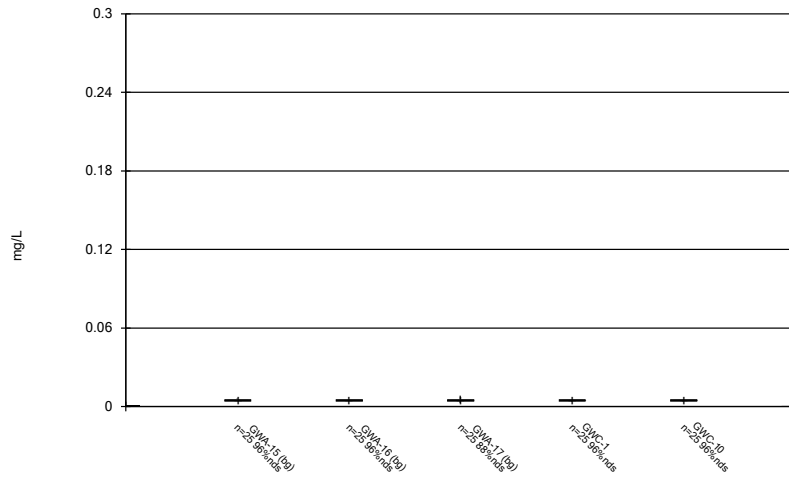
Constituent: Vanadium Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



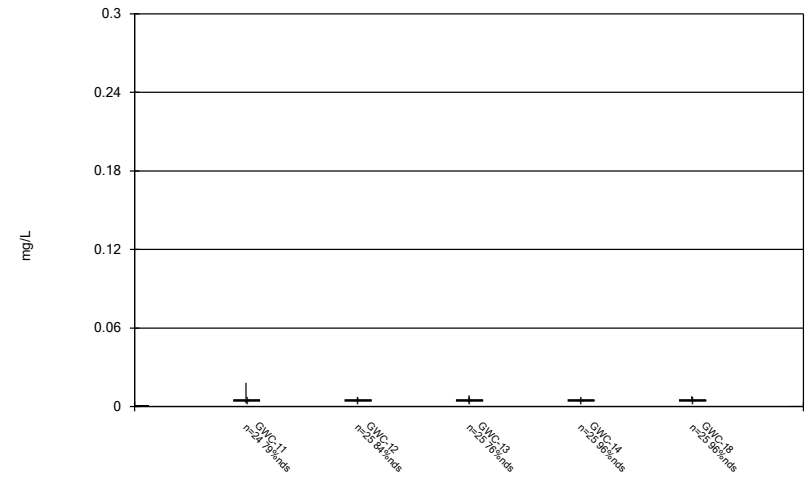
Constituent: Vanadium Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



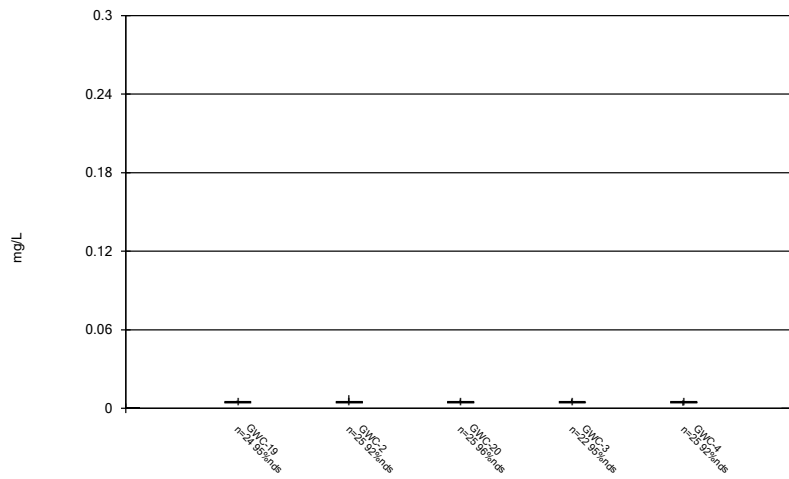
Constituent: Zinc Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



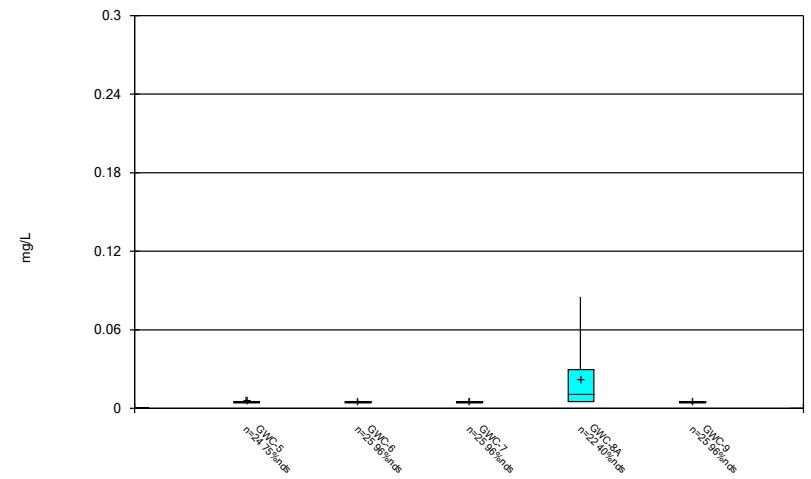
Constituent: Zinc Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/24/2021 10:07 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

FIGURE C.











FIGURE D.

# Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Barium, Total (mg/L)	GWC-10	2.76	Yes	Mann-W
Barium, Total (mg/L)	GWC-12	2.694	Yes	Mann-W
Barium, Total (mg/L)	GWC-13	2.768	Yes	Mann-W
Barium, Total (mg/L)	GWC-19	2.773	Yes	Mann-W
Beryllium, Total (mg/L)	GWC-7	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Chromium, Total (mg/L)	GWC-10	2.766	Yes	Mann-W
Chromium, Total (mg/L)	GWC-3	-2.597	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-16 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-17 (bg)	-2.691	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-18	-4.462	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-19	-3.67	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-20	-3.362	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-3	-3.048	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-4	-3.17	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-5	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-7	-3.639	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-9	-3.67	Yes	Mann-W
Copper (mg/L)	GWC-18	-2.685	Yes	Mann-W
Nickel (mg/L)	GWA-15 (bg)	-3.698	Yes	Mann-W
Nickel (mg/L)	GWC-1	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-11	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-12	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-13	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-18	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-19	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-20	-3.372	Yes	Mann-W
Nickel (mg/L)	GWC-3	-3.087	Yes	Mann-W
Nickel (mg/L)	GWC-5	-3.202	Yes	Mann-W
Nickel (mg/L)	GWC-6	-3.134	Yes	Mann-W
Nickel (mg/L)	GWC-7	-2.897	Yes	Mann-W
Nickel (mg/L)	GWC-9	-3.311	Yes	Mann-W
Thallium, Total (mg/L)	GWA-15 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-4	-2.6	Yes	Mann-W
Vanadium (mg/L)	GWC-8A	-2.778	Yes	Mann-W
Zinc (mg/L)	GWC-12	-3.34	Yes	Mann-W

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWA-16 (bg)	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-12	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-18	-1.511	No	Mann-W
Antimony, Total (mg/L)	GWC-19	0.3	No	Mann-W
<b>Antimony, Total (mg/L)</b>	<b>GWC-2</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Antimony, Total (mg/L)	GWC-3	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-7	0.3	No	Mann-W
Barium, Total (mg/L)	GWA-15 (bg)	1.149	No	Mann-W
Barium, Total (mg/L)	GWA-16 (bg)	0.6704	No	Mann-W
Barium, Total (mg/L)	GWA-17 (bg)	0.6978	No	Mann-W
Barium, Total (mg/L)	GWC-1	0.2552	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.76</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-11	1.534	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-12</b>	<b>2.694</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Barium, Total (mg/L)</b>	<b>GWC-13</b>	<b>2.768</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-14	1.782	No	Mann-W
Barium, Total (mg/L)	GWC-18	0.1275	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.773</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-2	1.324	No	Mann-W
Barium, Total (mg/L)	GWC-20	1.373	No	Mann-W
Barium, Total (mg/L)	GWC-3	-2.483	No	Mann-W
Barium, Total (mg/L)	GWC-4	2.096	No	Mann-W
Barium, Total (mg/L)	GWC-5	-0.03167	No	Mann-W
Barium, Total (mg/L)	GWC-6	0.1905	No	Mann-W
Barium, Total (mg/L)	GWC-7	2.318	No	Mann-W
Barium, Total (mg/L)	GWC-8A	-0.4431	No	Mann-W
Barium, Total (mg/L)	GWC-9	-0.5401	No	Mann-W
Beryllium, Total (mg/L)	GWA-17 (bg)	0.3	No	Mann-W
<b>Beryllium, Total (mg/L)</b>	<b>GWC-7</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cadmium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cadmium, Total (mg/L)</b>	<b>GWC-11</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Cadmium, Total (mg/L)	GWC-8A	1.137	No	Mann-W
Chromium, Total (mg/L)	GWA-15 (bg)	1.367	No	Mann-W
Chromium, Total (mg/L)	GWA-16 (bg)	0.6968	No	Mann-W
Chromium, Total (mg/L)	GWA-17 (bg)	1.835	No	Mann-W
Chromium, Total (mg/L)	GWC-1	1.92	No	Mann-W
<b>Chromium, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.766</b>	<b>Yes</b>	<b>Mann-W</b>
Chromium, Total (mg/L)	GWC-11	0.6338	No	Mann-W
Chromium, Total (mg/L)	GWC-12	0	No	Mann-W
Chromium, Total (mg/L)	GWC-13	2.138	No	Mann-W
Chromium, Total (mg/L)	GWC-14	1.435	No	Mann-W
Chromium, Total (mg/L)	GWC-18	0.06618	No	Mann-W
Chromium, Total (mg/L)	GWC-19	1.899	No	Mann-W
Chromium, Total (mg/L)	GWC-2	1.027	No	Mann-W
Chromium, Total (mg/L)	GWC-20	1.014	No	Mann-W
<b>Chromium, Total (mg/L)</b>	<b>GWC-3</b>	<b>-2.597</b>	<b>Yes</b>	<b>Mann-W</b>
Chromium, Total (mg/L)	GWC-4	0.2849	No	Mann-W
Chromium, Total (mg/L)	GWC-5	1.677	No	Mann-W
Chromium, Total (mg/L)	GWC-6	0.6332	No	Mann-W
Chromium, Total (mg/L)	GWC-7	1.046	No	Mann-W
Chromium, Total (mg/L)	GWC-8A	-1.761	No	Mann-W
Chromium, Total (mg/L)	GWC-9	0.1898	No	Mann-W
Cobalt, Total (mg/L)	GWA-15 (bg)	-1.142	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-2.628</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-2.691</b>	<b>Yes</b>	<b>Mann-W</b>

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-1</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-11</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-12	0.6425	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWC-18</b>	<b>-4.462</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-19</b>	<b>-3.67</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-2</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-20</b>	<b>-3.362</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-3</b>	<b>-3.048</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-4</b>	<b>-3.17</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Cobalt, Total (mg/L)</b>	<b>GWC-5</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-6	-1.511	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWC-7</b>	<b>-3.639</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-8A	0.6837	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWC-9</b>	<b>-3.67</b>	<b>Yes</b>	<b>Mann-W</b>
Copper (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWA-17 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWC-11	-1.938	No	Mann-W
Copper (mg/L)	GWC-13	-0.559	No	Mann-W
Copper (mg/L)	GWC-14	-0.559	No	Mann-W
<b>Copper (mg/L)</b>	<b>GWC-18</b>	<b>-2.685</b>	<b>Yes</b>	<b>Mann-W</b>
Copper (mg/L)	GWC-20	-0.5164	No	Mann-W
Copper (mg/L)	GWC-3	-2.528	No	Mann-W
Copper (mg/L)	GWC-4	-1.159	No	Mann-W
Copper (mg/L)	GWC-6	-1.789	No	Mann-W
Copper (mg/L)	GWC-7	-0.5777	No	Mann-W
Copper (mg/L)	GWC-8A	-2.565	No	Mann-W
Copper (mg/L)	GWC-9	-0.7268	No	Mann-W
Lead, Total (mg/L)	GWA-16 (bg)	-1.976	No	Mann-W
Lead, Total (mg/L)	GWA-17 (bg)	-1.853	No	Mann-W
Lead, Total (mg/L)	GWC-1	-1.753	No	Mann-W
Lead, Total (mg/L)	GWC-10	-1.427	No	Mann-W
Lead, Total (mg/L)	GWC-11	0.27	No	Mann-W
Lead, Total (mg/L)	GWC-13	-0.299	No	Mann-W
Lead, Total (mg/L)	GWC-14	-0.6477	No	Mann-W
Lead, Total (mg/L)	GWC-18	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-19	-1.231	No	Mann-W
Lead, Total (mg/L)	GWC-2	-1.978	No	Mann-W
Lead, Total (mg/L)	GWC-20	-1.325	No	Mann-W
Lead, Total (mg/L)	GWC-3	-1.118	No	Mann-W
Lead, Total (mg/L)	GWC-4	-1.928	No	Mann-W
Lead, Total (mg/L)	GWC-5	-1.032	No	Mann-W
Lead, Total (mg/L)	GWC-6	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-7	-1.977	No	Mann-W
Lead, Total (mg/L)	GWC-8A	-1.3	No	Mann-W
Lead, Total (mg/L)	GWC-9	-1.427	No	Mann-W
Mercury (mg/L)	GWA-15 (bg)	0.5037	No	Mann-W
Mercury (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWA-17 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWC-1	0.5037	No	Mann-W
Mercury (mg/L)	GWC-10	0.6579	No	Mann-W
Mercury (mg/L)	GWC-11	0.5037	No	Mann-W
Mercury (mg/L)	GWC-13	0.5037	No	Mann-W
Mercury (mg/L)	GWC-14	0.5037	No	Mann-W
Mercury (mg/L)	GWC-18	0.3	No	Mann-W
Mercury (mg/L)	GWC-19	0.5037	No	Mann-W

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

Constituent	Well	Calc.	0.01	Method
Mercury (mg/L)	GWC-2	0.5037	No	Mann-W
Mercury (mg/L)	GWC-20	0.6579	No	Mann-W
Mercury (mg/L)	GWC-3	0.6582	No	Mann-W
Mercury (mg/L)	GWC-4	0.3	No	Mann-W
Mercury (mg/L)	GWC-5	0.3	No	Mann-W
Mercury (mg/L)	GWC-6	0.6579	No	Mann-W
Mercury (mg/L)	GWC-7	-1.077	No	Mann-W
Mercury (mg/L)	GWC-8A	0.9126	No	Mann-W
Mercury (mg/L)	GWC-9	0.3	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWA-15 (bg)</b>	<b>-3.698</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWA-16 (bg)	-2.294	No	Mann-W
Nickel (mg/L)	GWA-17 (bg)	-0.08076	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-1</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-10	-1.364	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-11</b>	<b>-4.11</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-12</b>	<b>-4.11</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-13</b>	<b>-4.11</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-18</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-19</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-2	-1.313	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-20</b>	<b>-3.372</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-3</b>	<b>-3.087</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-4	-2.236	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-5</b>	<b>-3.202</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-6</b>	<b>-3.134</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel (mg/L)</b>	<b>GWC-7</b>	<b>-2.897</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel (mg/L)	GWC-8A	-0.09099	No	Mann-W
<b>Nickel (mg/L)</b>	<b>GWC-9</b>	<b>-3.311</b>	<b>Yes</b>	<b>Mann-W</b>
Selenium, Total (mg/L)	GWA-15 (bg)	0.3	No	Mann-W
Selenium, Total (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWA-17 (bg)	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-1	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-10	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-11	0.1383	No	Mann-W
Selenium, Total (mg/L)	GWC-12	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-14	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-18	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-19	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-2	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWC-3	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-5	-1.542	No	Mann-W
Selenium, Total (mg/L)	GWC-6	0.8002	No	Mann-W
Selenium, Total (mg/L)	GWC-7	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-8A	0.791	No	Mann-W
Selenium, Total (mg/L)	GWC-9	-0.5	No	Mann-W
<b>Thallium, Total (mg/L)</b>	<b>GWA-15 (bg)</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Thallium, Total (mg/L)	GWA-16 (bg)	-1.655	No	Mann-W
<b>Thallium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Thallium, Total (mg/L)</b>	<b>GWC-1</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Thallium, Total (mg/L)</b>	<b>GWC-2</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Thallium, Total (mg/L)</b>	<b>GWC-4</b>	<b>-2.6</b>	<b>Yes</b>	<b>Mann-W</b>
Thallium, Total (mg/L)	GWC-7	-1.196	No	Mann-W
Vanadium (mg/L)	GWA-15 (bg)	1.254	No	Mann-W
Vanadium (mg/L)	GWA-16 (bg)	1.201	No	Mann-W
Vanadium (mg/L)	GWA-17 (bg)	1.359	No	Mann-W

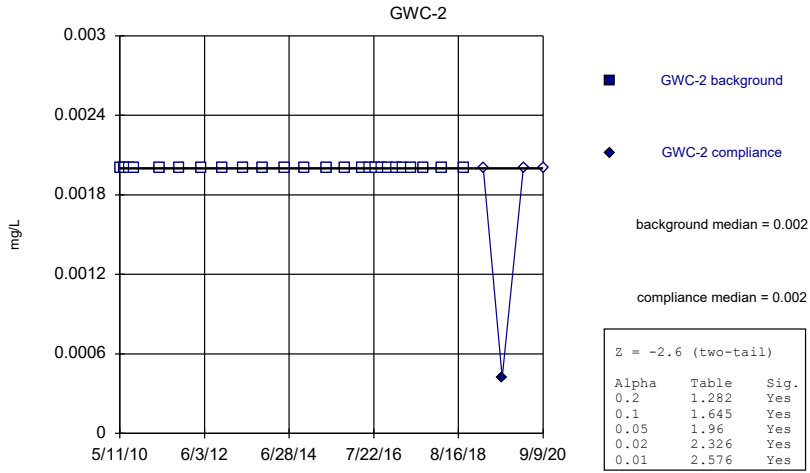


# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

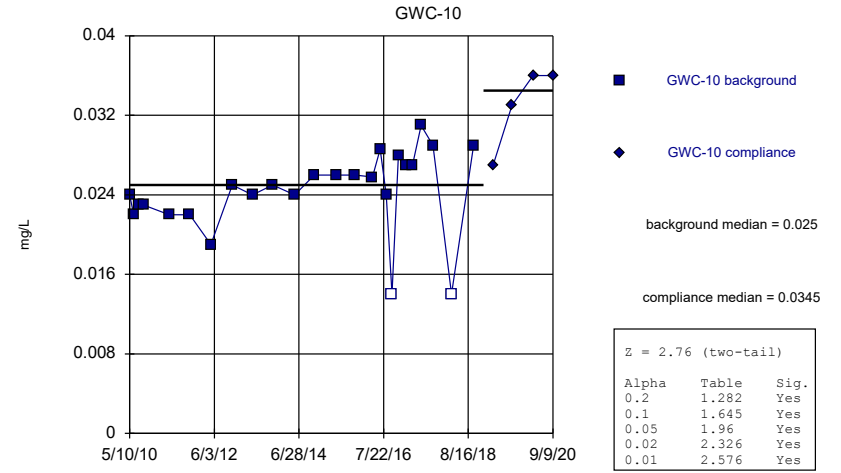
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Vanadium (mg/L)	GWC-1	1.341	No	Mann-W
Vanadium (mg/L)	GWC-10	1.415	No	Mann-W
Vanadium (mg/L)	GWC-11	1.869	No	Mann-W
Vanadium (mg/L)	GWC-12	1.691	No	Mann-W
Vanadium (mg/L)	GWC-13	-0.04822	No	Mann-W
Vanadium (mg/L)	GWC-14	2.087	No	Mann-W
Vanadium (mg/L)	GWC-18	2.335	No	Mann-W
Vanadium (mg/L)	GWC-19	1.666	No	Mann-W
Vanadium (mg/L)	GWC-2	2.19	No	Mann-W
Vanadium (mg/L)	GWC-20	1.212	No	Mann-W
Vanadium (mg/L)	GWC-3	0.7305	No	Mann-W
Vanadium (mg/L)	GWC-4	0.3489	No	Mann-W
Vanadium (mg/L)	GWC-5	-1.173	No	Mann-W
Vanadium (mg/L)	GWC-6	2.522	No	Mann-W
Vanadium (mg/L)	GWC-7	1.618	No	Mann-W
<b>Vanadium (mg/L)</b>	<b>GWC-8A</b>	<b>-2.778</b>	<b>Yes</b>	<b>Mann-W</b>
Vanadium (mg/L)	GWC-9	1.32	No	Mann-W
Zinc (mg/L)	GWA-15 (bg)	2.124	No	Mann-W
Zinc (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Zinc (mg/L)	GWA-17 (bg)	1.28	No	Mann-W
Zinc (mg/L)	GWC-1	-2.348	No	Mann-W
Zinc (mg/L)	GWC-10	-2.348	No	Mann-W
Zinc (mg/L)	GWC-11	2.271	No	Mann-W
<b>Zinc (mg/L)</b>	<b>GWC-12</b>	<b>-3.34</b>	<b>Yes</b>	<b>Mann-W</b>
Zinc (mg/L)	GWC-13	-0.9271	No	Mann-W
Zinc (mg/L)	GWC-14	-2.348	No	Mann-W
Zinc (mg/L)	GWC-18	2.124	No	Mann-W
Zinc (mg/L)	GWC-19	2.065	No	Mann-W
Zinc (mg/L)	GWC-2	-2.348	No	Mann-W
Zinc (mg/L)	GWC-20	2.124	No	Mann-W
Zinc (mg/L)	GWC-3	1.94	No	Mann-W
Zinc (mg/L)	GWC-4	1.777	No	Mann-W
Zinc (mg/L)	GWC-5	-0.8924	No	Mann-W
Zinc (mg/L)	GWC-6	2.124	No	Mann-W
Zinc (mg/L)	GWC-7	2.124	No	Mann-W
Zinc (mg/L)	GWC-8A	-2.026	No	Mann-W
Zinc (mg/L)	GWC-9	-2.348	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)



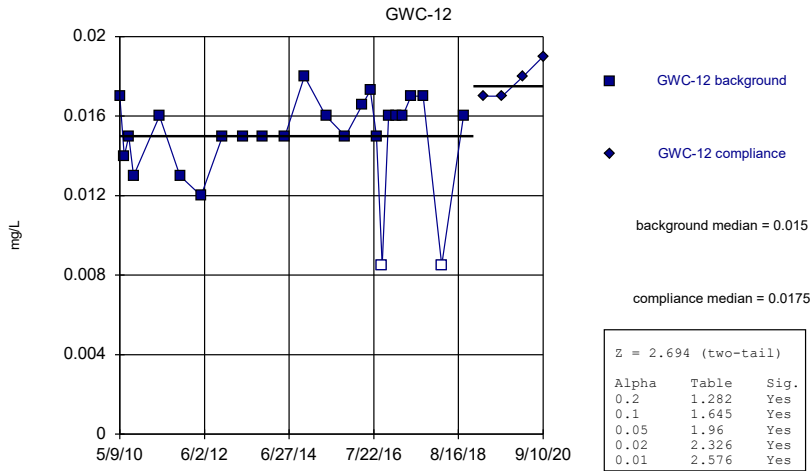
Constituent: Antimony, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



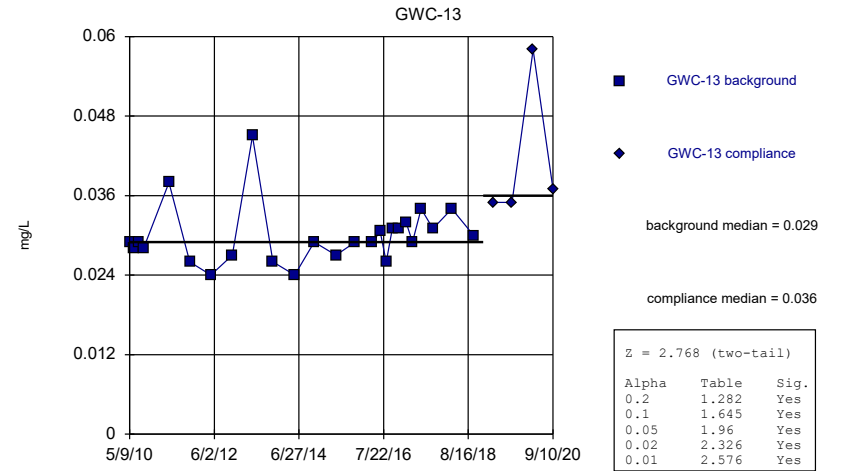
Constituent: Barium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



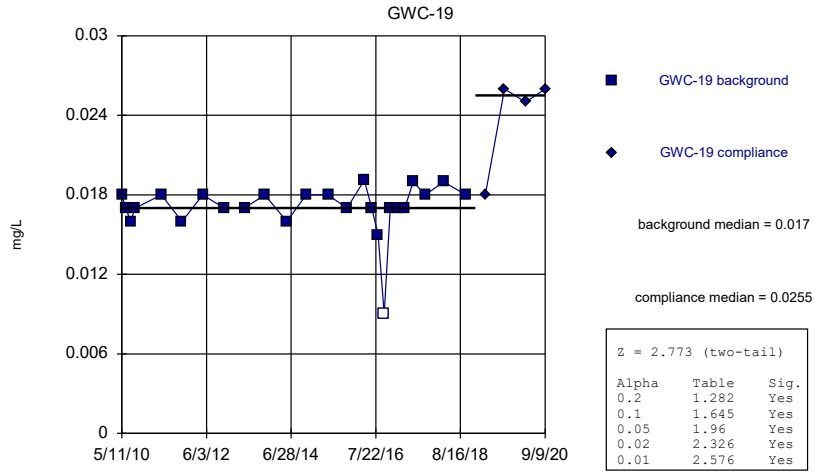
Constituent: Barium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



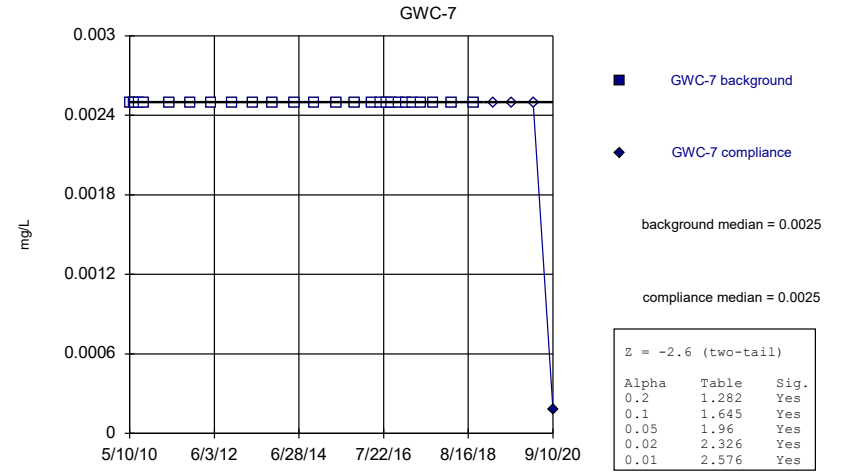
Constituent: Barium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



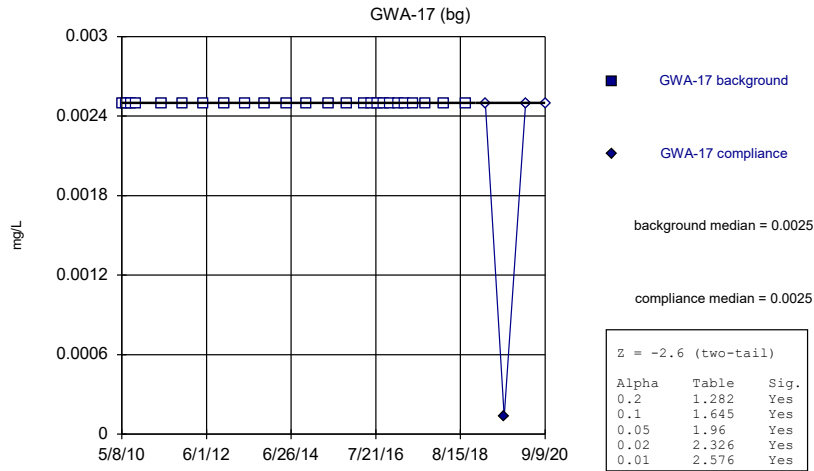
Constituent: Barium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



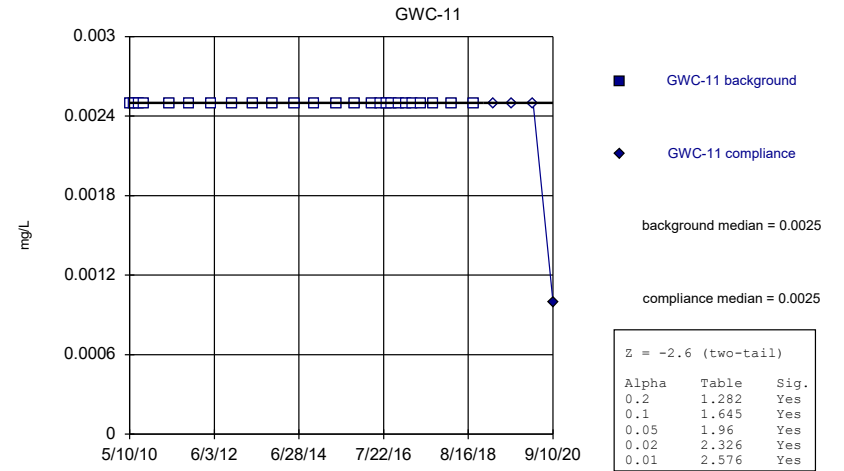
Constituent: Beryllium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



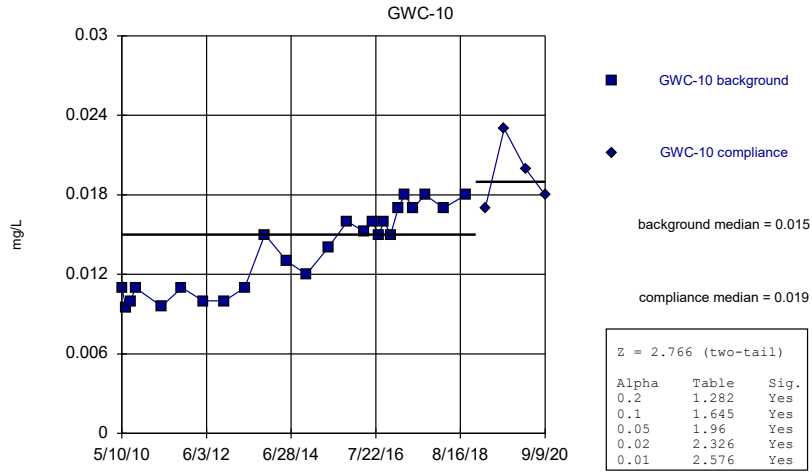
Constituent: Cadmium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



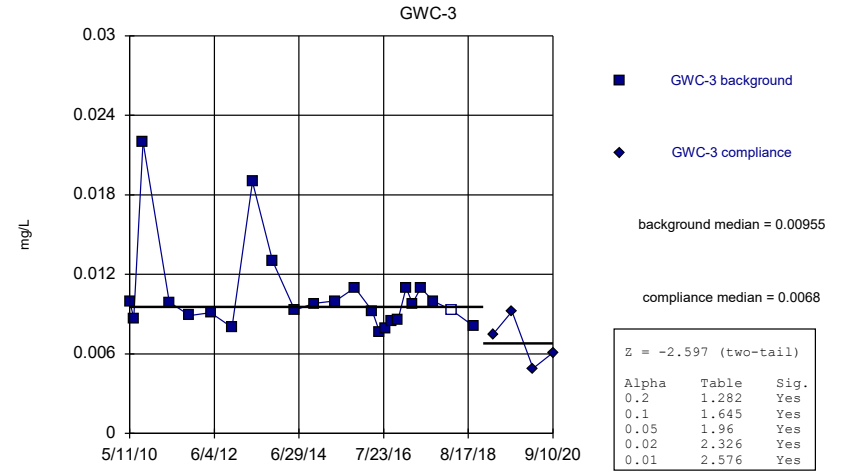
Constituent: Cadmium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



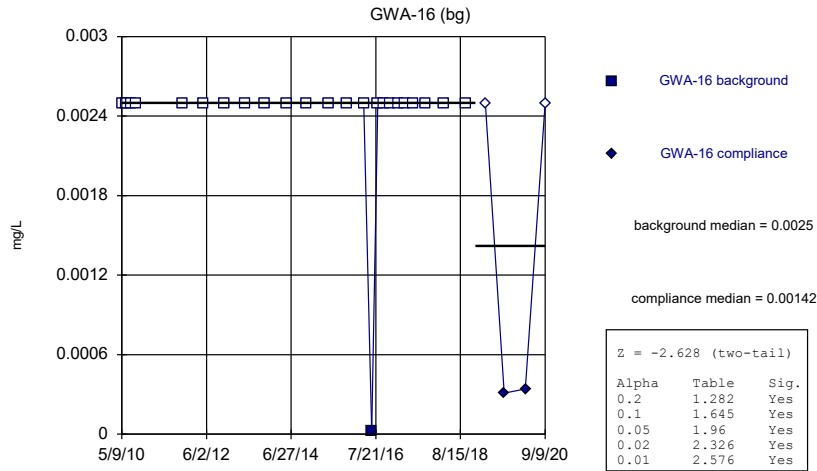
Constituent: Chromium, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



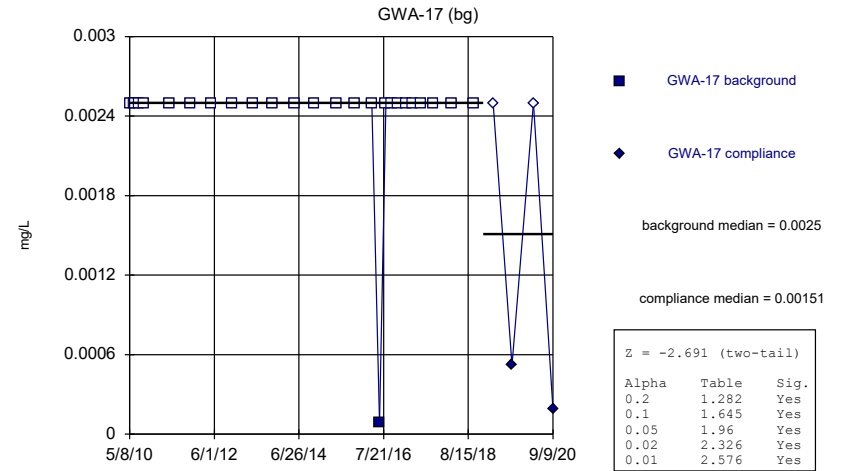
Constituent: Chromium, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



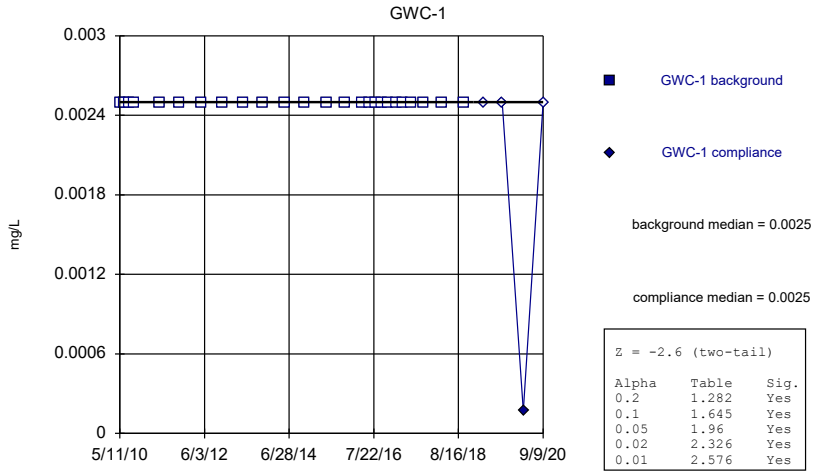
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



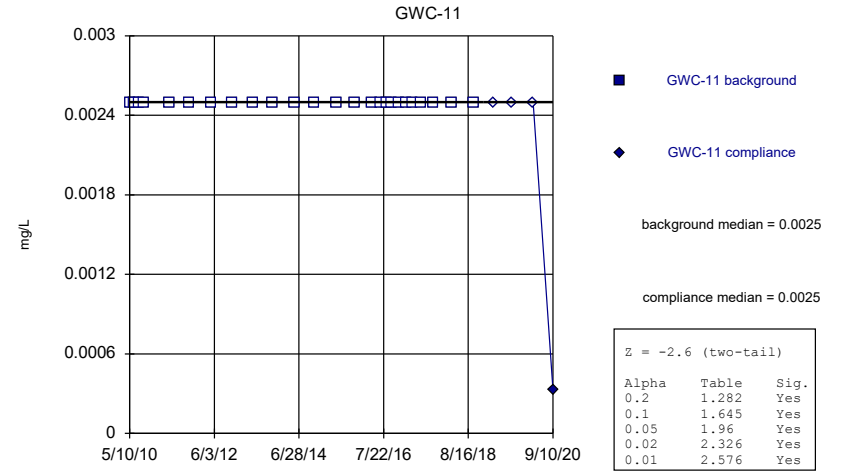
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



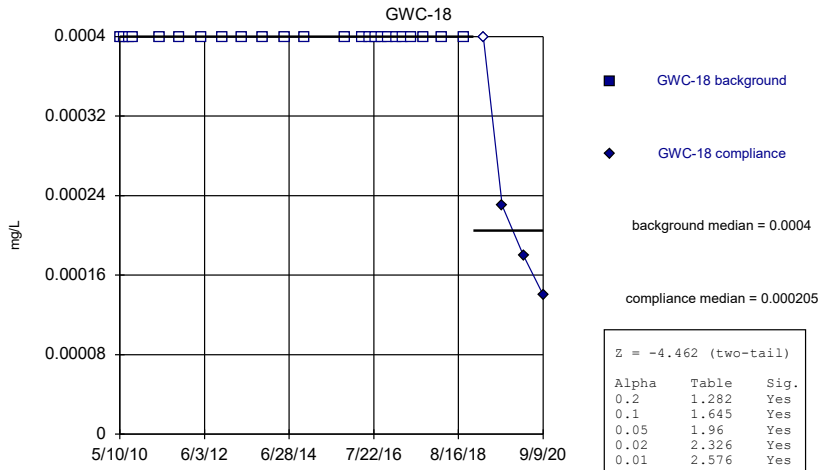
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



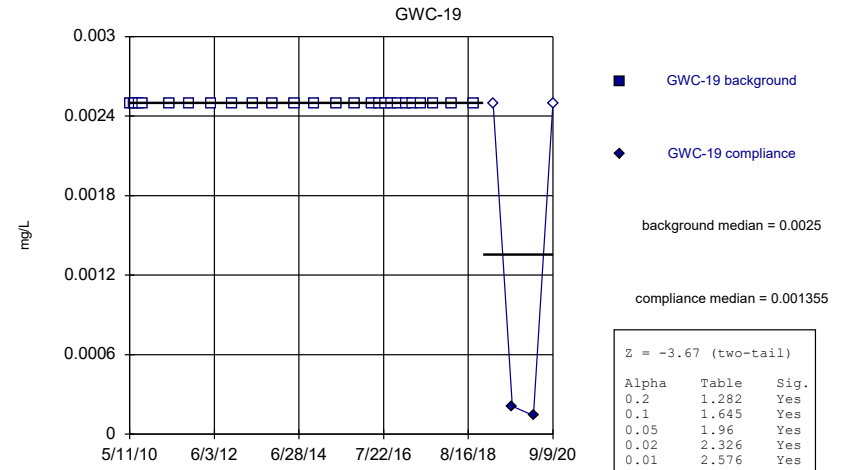
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



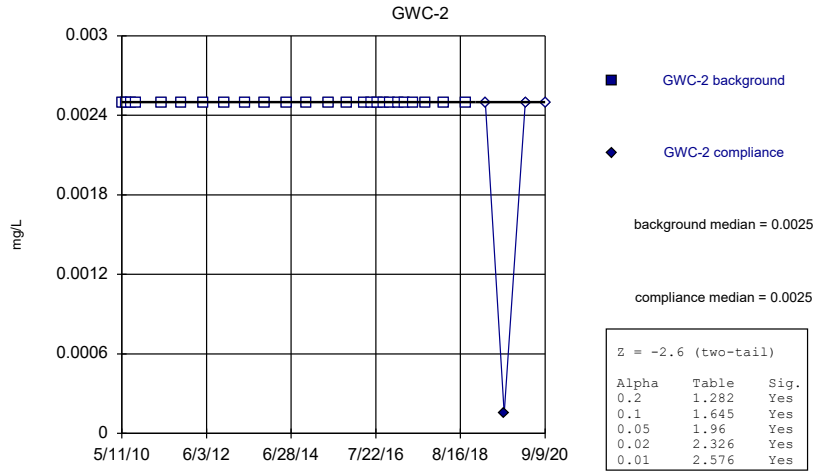
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



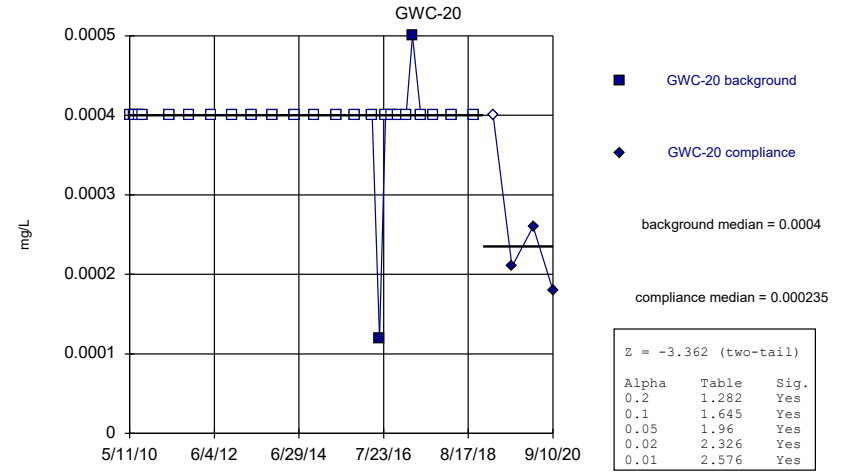
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



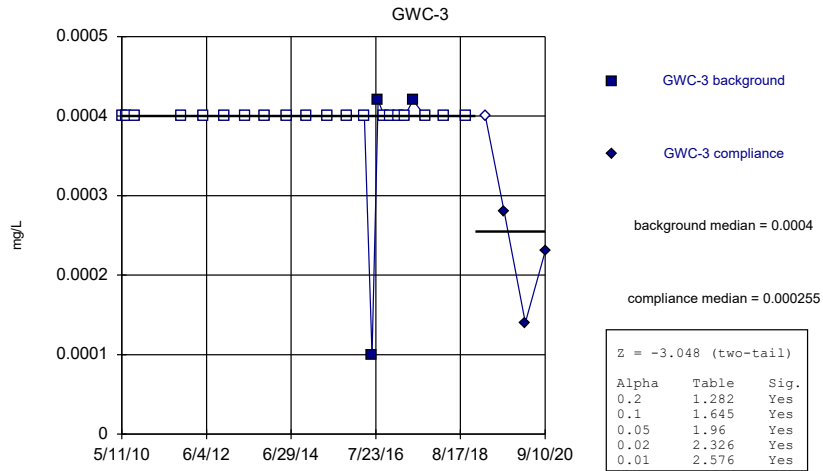
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



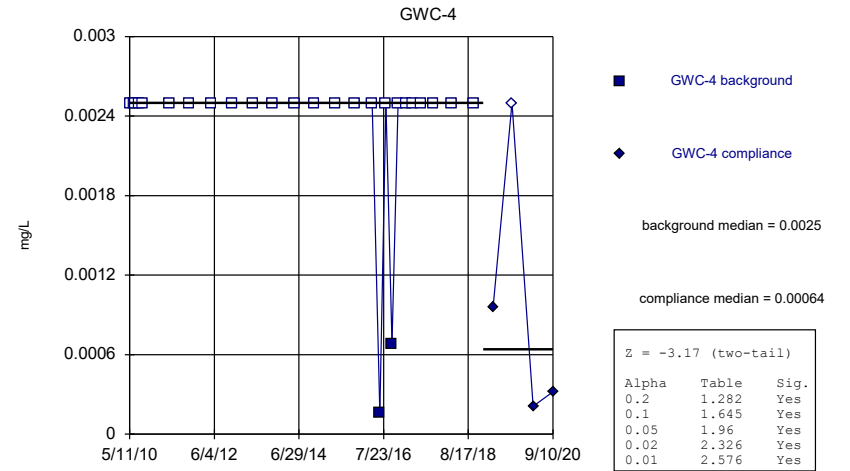
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



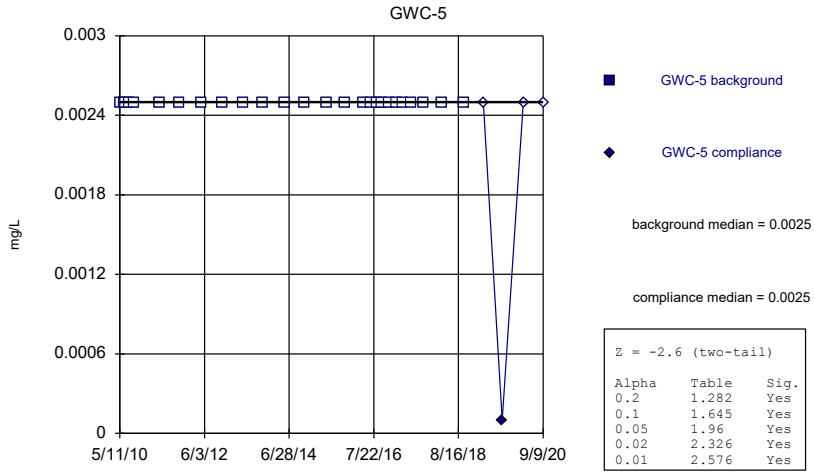
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



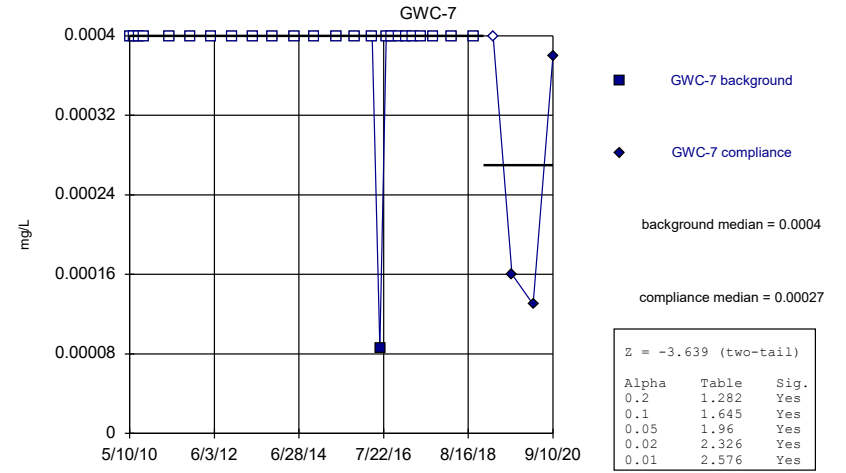
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



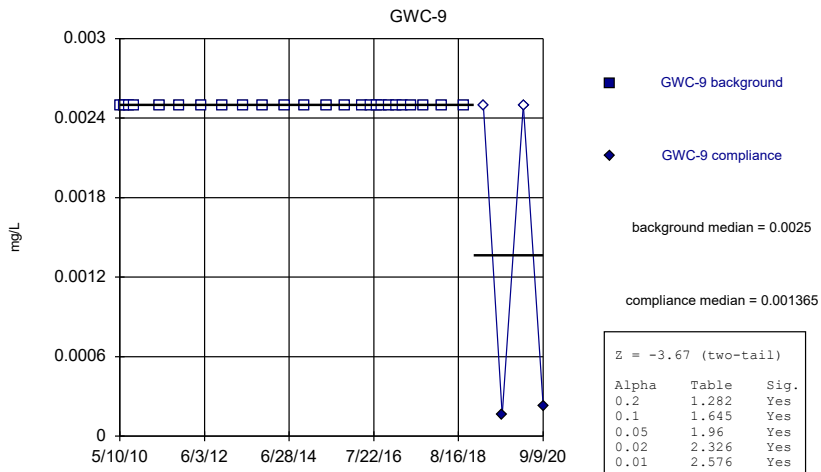
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



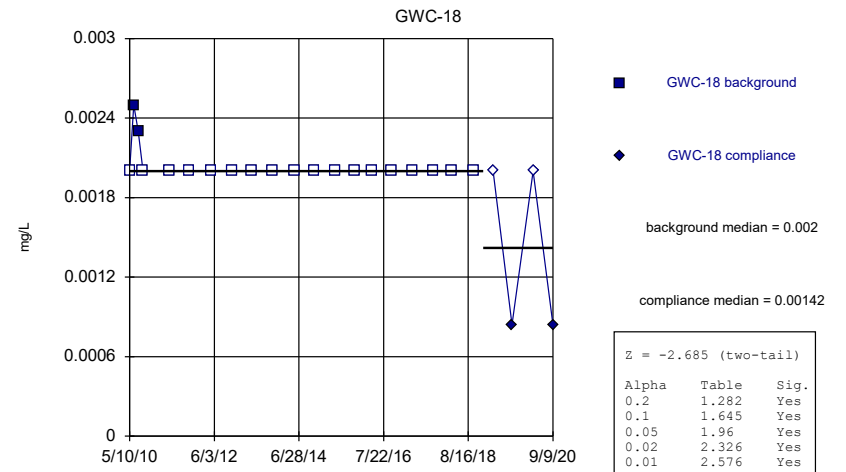
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

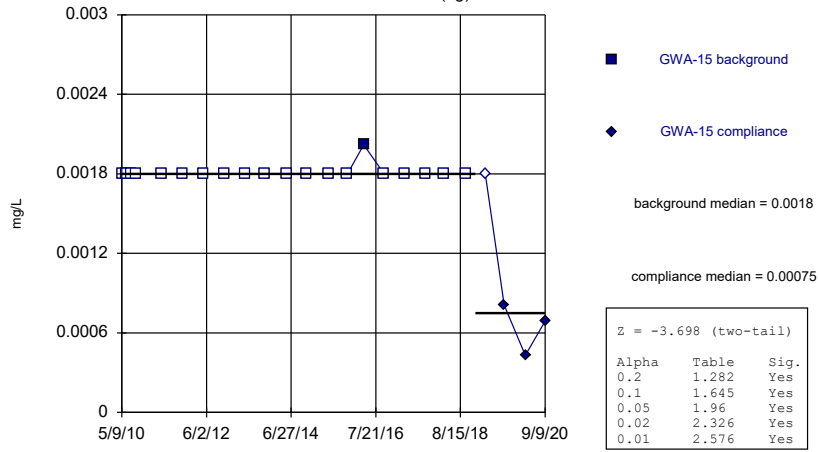
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Copper Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

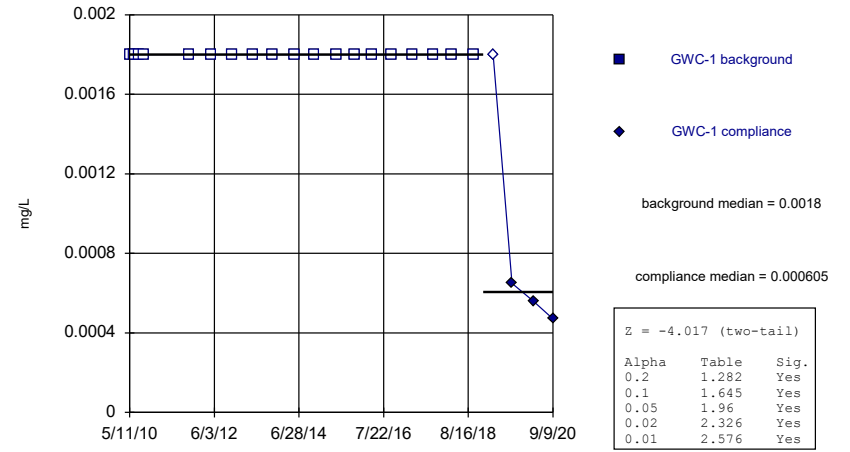
GWA-15 (bg)



Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

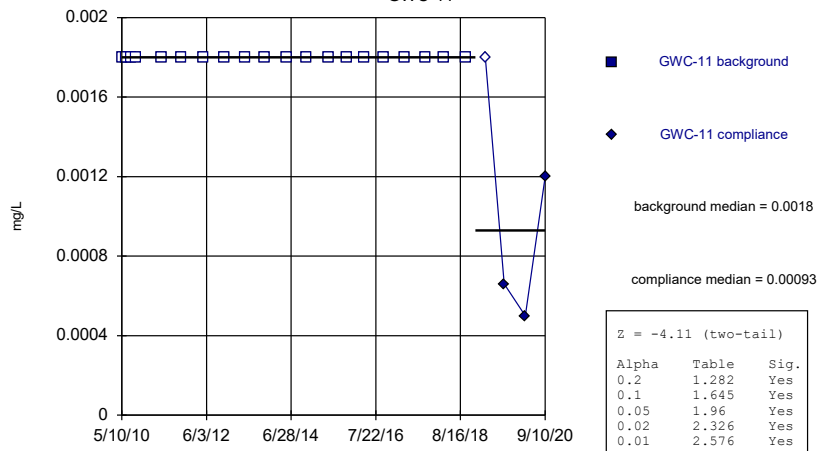
GWC-1



Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

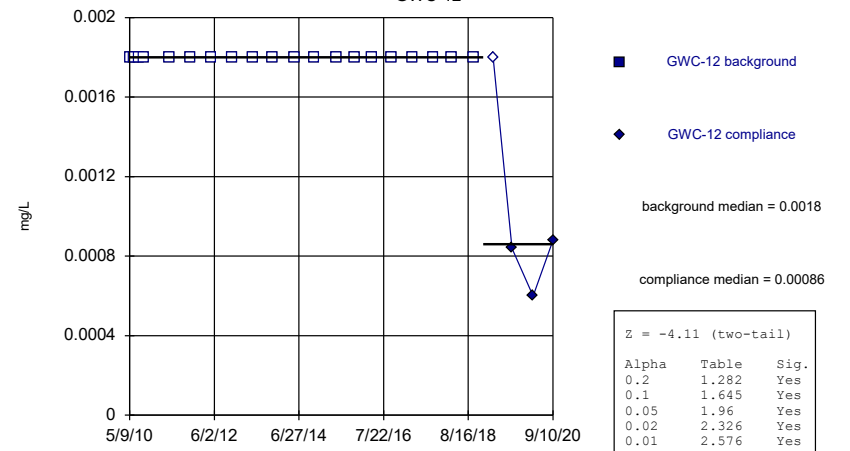
GWC-11



Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

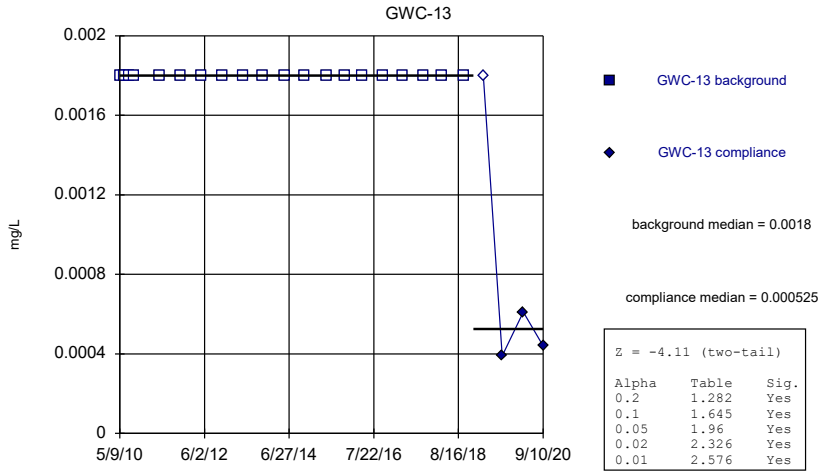
GWC-12



Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

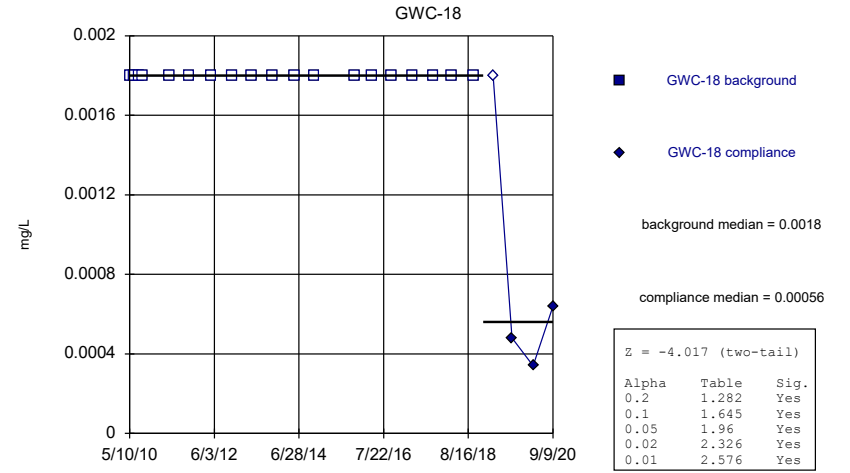


Mann-Whitney (Wilcoxon Rank Sum)



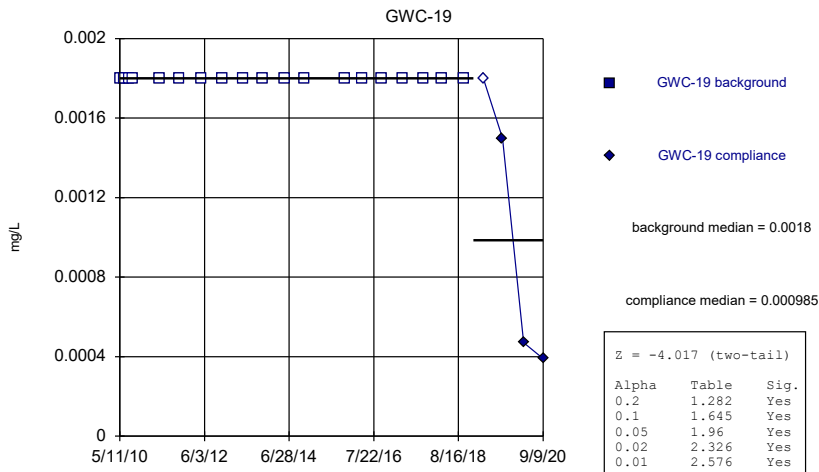
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



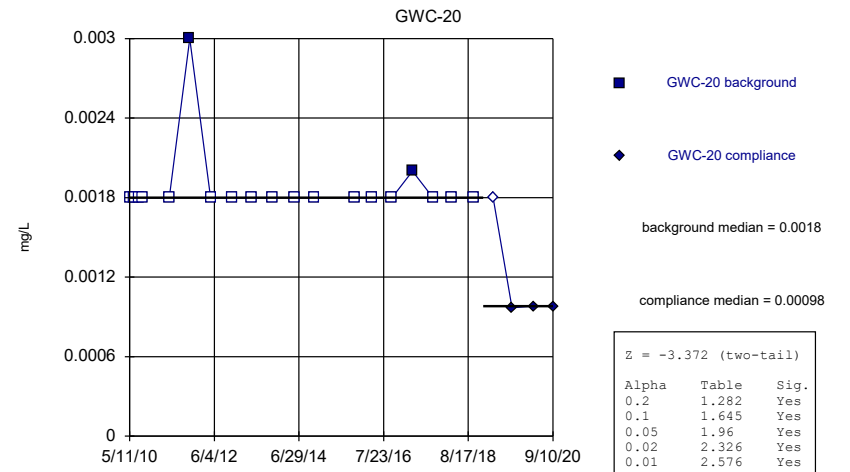
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



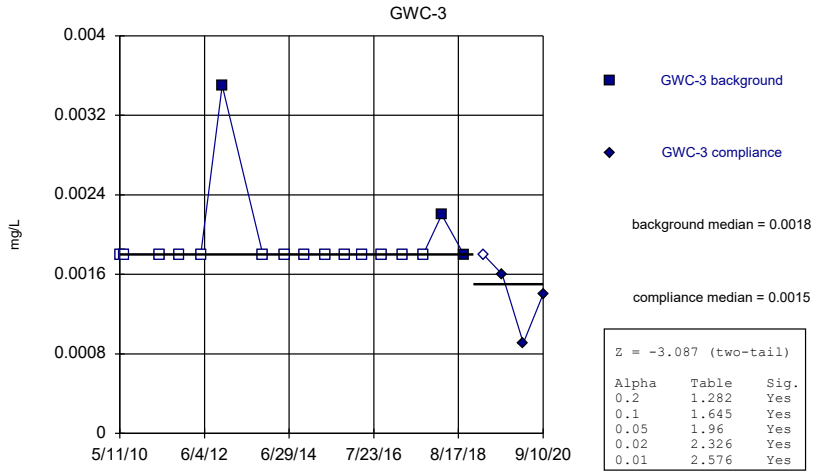
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



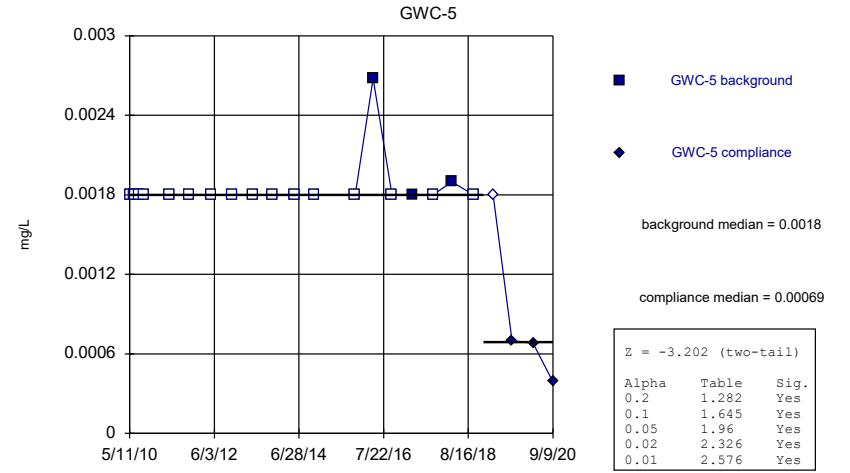
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



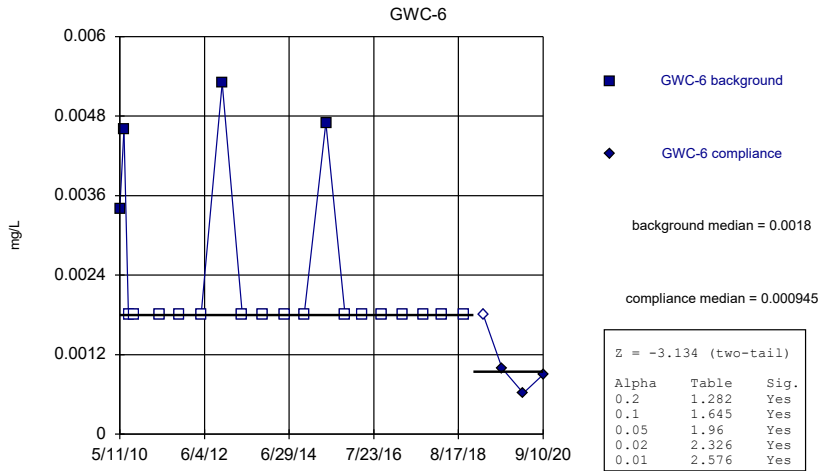
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



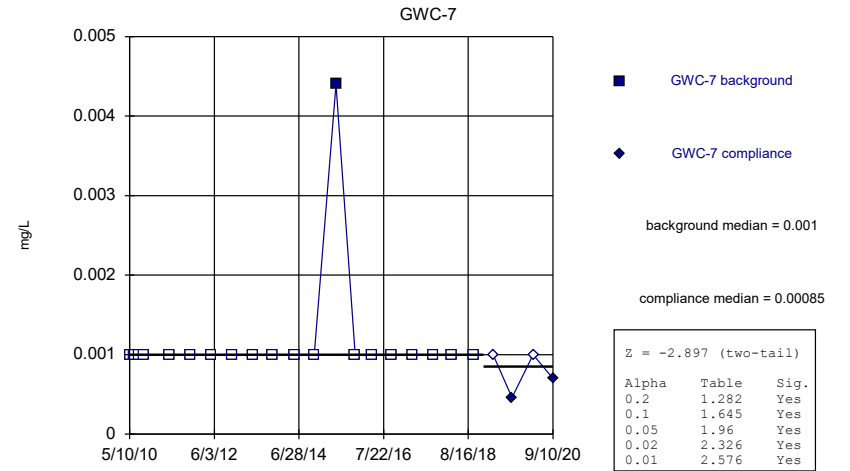
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



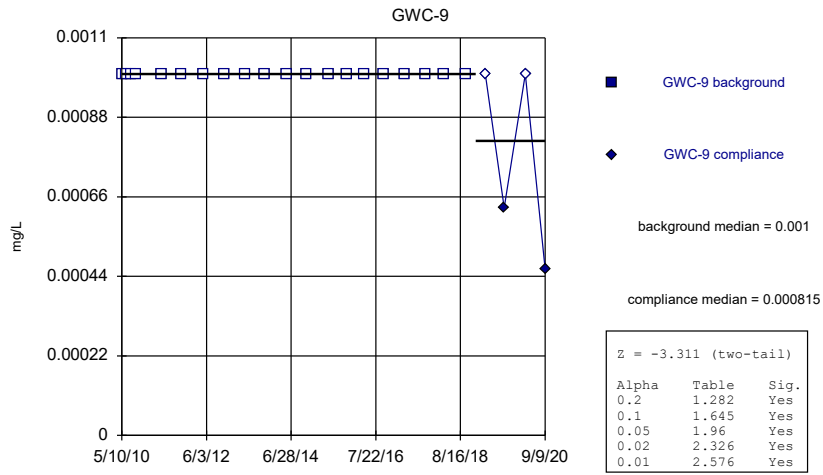
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



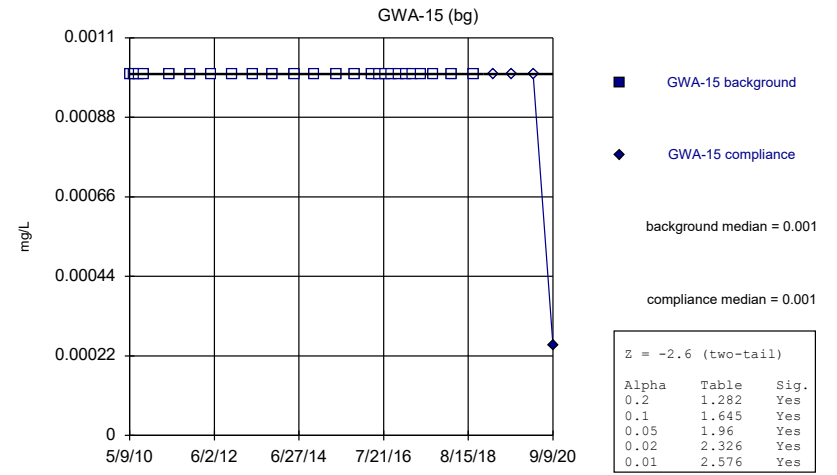
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



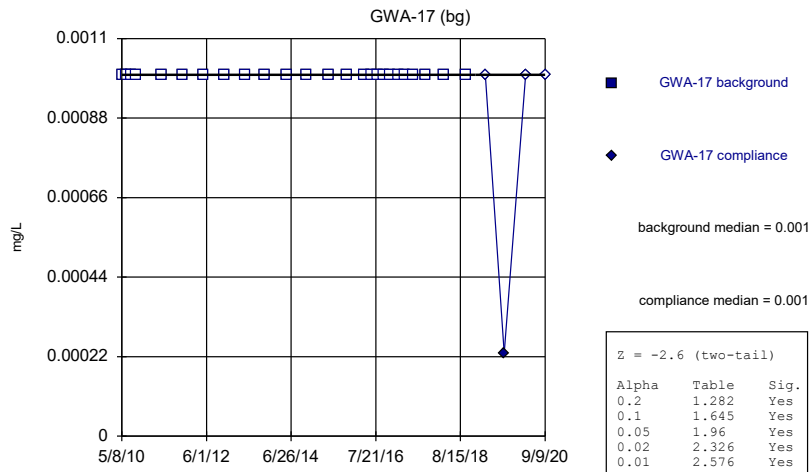
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



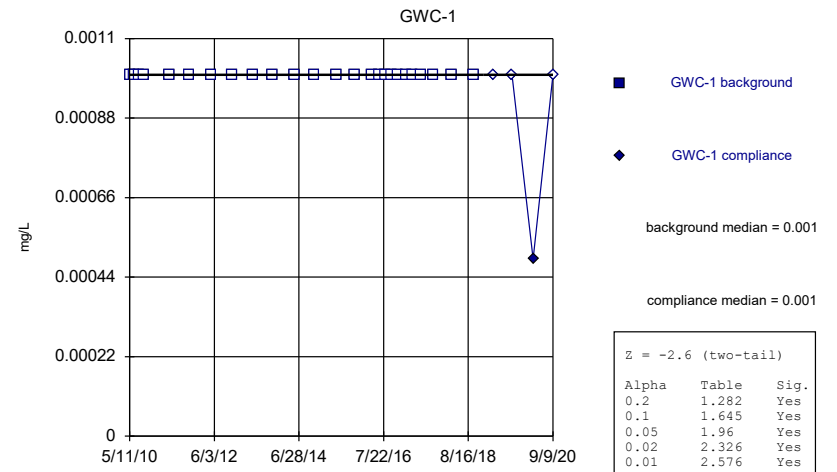
Constituent: Thallium, Total Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



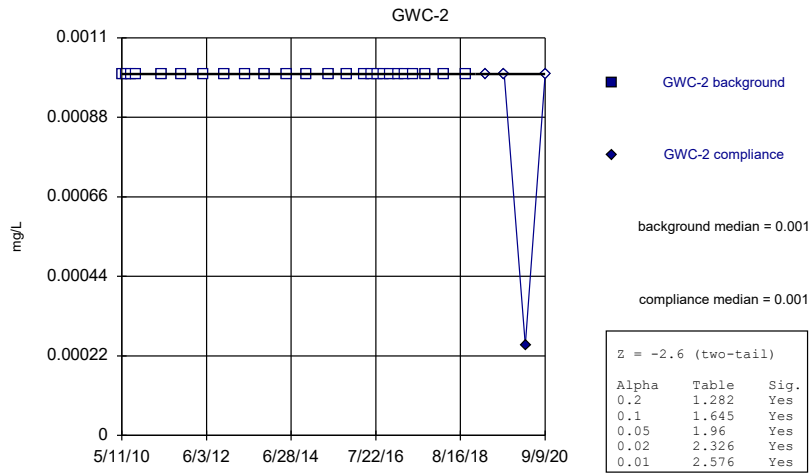
Constituent: Thallium, Total Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



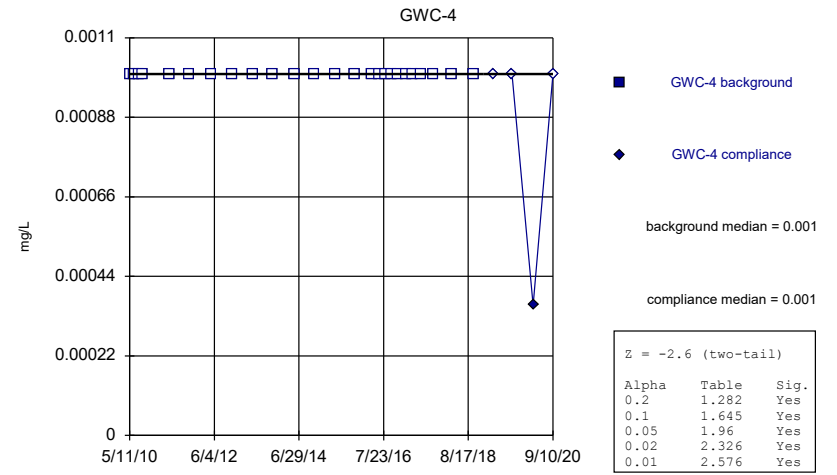
Constituent: Thallium, Total Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



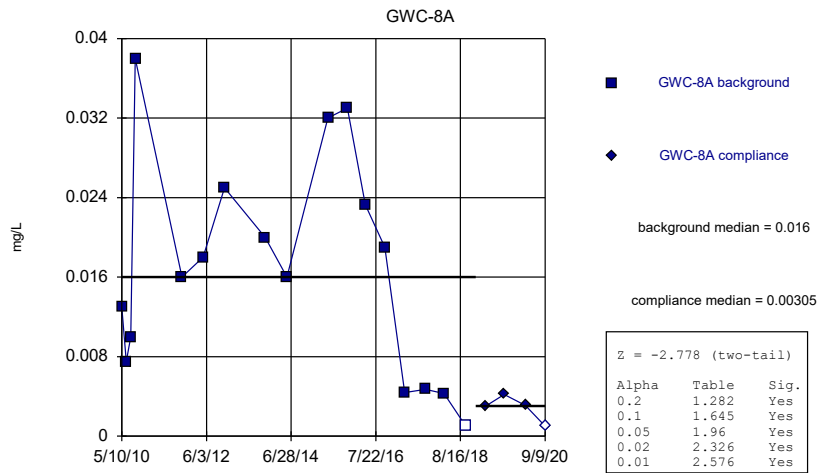
Constituent: Thallium, Total Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



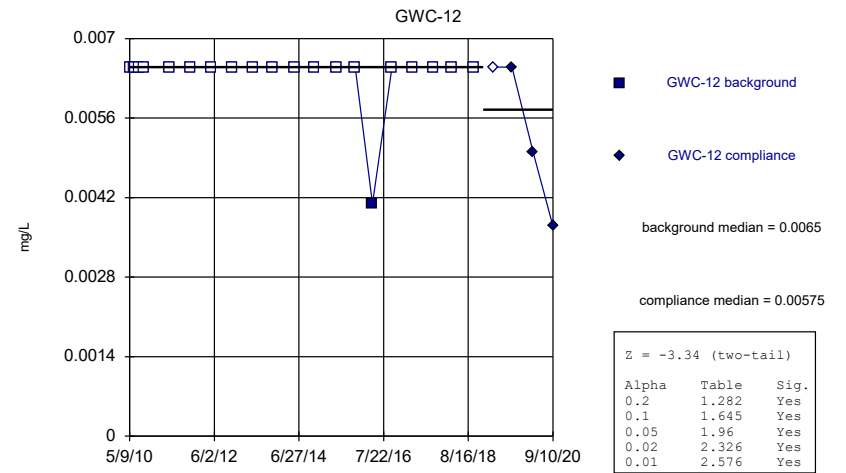
Constituent: Thallium, Total Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Vanadium Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Zinc Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Antimony, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019		<0.002
9/10/2019		0.00042 (J)
3/18/2020		<0.002
9/9/2020		<0.002

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.024 (J)	
6/16/2010	0.022 (J)	
7/28/2010	0.023 (J)	
9/8/2010	0.023 (J)	
4/29/2011	0.022 (J)	
10/27/2011	0.022	
5/4/2012	0.019	
11/11/2012	0.025 (V)	
5/9/2013	0.024	
11/5/2013	0.025	
5/21/2014	0.024	
11/12/2014	0.026	
5/23/2015	0.026	
11/12/2015	0.026	
4/13/2016	0.0258 (D)	
6/21/2016	0.0286	
8/15/2016	0.024	
10/5/2016	<0.028	
12/1/2016	0.028	
2/8/2017	0.027	
4/6/2017	0.027	
6/21/2017	0.031	
10/5/2017	0.029	
3/21/2018	<0.028 (X)	
10/2/2018	0.029	
3/27/2019		0.027
9/11/2019		0.033
3/18/2020		0.036
9/9/2020		0.036

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	0.017 (J)	
6/18/2010	0.014 (J)	
7/27/2010	0.015 (J)	
9/8/2010	0.013 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.013	
5/3/2012	0.012	
11/10/2012	0.015 (V)	
5/9/2013	0.015	
11/6/2013	0.015	
5/20/2014	0.015	
11/12/2014	0.018	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0166 (D)	
6/21/2016	0.0173	
8/15/2016	0.015	
10/5/2016	<0.017	
12/1/2016	0.016	
2/8/2017	0.016	
4/5/2017	0.016	
6/20/2017	0.017	
10/5/2017	0.017	
3/21/2018	<0.017 (X)	
10/2/2018	0.016	
3/26/2019		0.017
9/11/2019		0.017
3/18/2020		0.018
9/10/2020		0.019

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	0.029 (J)	
6/18/2010	0.028 (J)	
7/29/2010	0.029 (J)	
9/9/2010	0.028 (J)	
4/26/2011	0.038 (J)	
10/28/2011	0.026	
5/4/2012	0.024	
11/11/2012	0.027 (V)	
5/8/2013	0.045	
11/7/2013	0.026	
5/20/2014	0.024	
11/12/2014	0.029	
5/24/2015	0.027	
11/12/2015	0.029	
4/13/2016	0.029 (D)	
6/21/2016	0.0306	
8/15/2016	0.026	
10/7/2016	0.031	
12/1/2016	0.031	
2/9/2017	0.032	
4/6/2017	0.029	
6/22/2017	0.034	
10/6/2017	0.031	
3/22/2018	0.034	
10/3/2018	0.03	
3/26/2019		0.035
9/11/2019		0.035
3/18/2020		0.058
9/10/2020		0.037



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.018 (J)	
6/16/2010	0.017 (J)	
7/27/2010	0.016 (J)	
9/7/2010	0.017 (J)	
4/29/2011	0.018 (J)	
10/28/2011	0.016	
5/2/2012	0.018	
11/9/2012	0.017 (V)	
5/9/2013	0.017	
11/6/2013	0.018 (V)	
5/22/2014	0.016	
11/8/2014	0.018	
5/23/2015	0.018	
11/10/2015	0.017	
4/11/2016	0.0191	
6/16/2016	0.017	
8/11/2016	0.015	
10/5/2016	<0.018	
11/29/2016	0.017	
2/8/2017	0.017	
4/5/2017	0.017	
6/21/2017	0.019	
10/5/2017	0.018	
3/20/2018	0.019	
10/2/2018	0.018	
3/26/2019		0.018
9/12/2019		0.026
3/19/2020		0.025
9/9/2020		0.026

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/20/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		<0.0025
3/19/2020		<0.0025
9/10/2020		0.00018 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00013 (J)
3/18/2020		<0.0025
9/9/2020		<0.0025

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		<0.0025
3/18/2020		<0.0025
9/10/2020		0.001 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.0095	
7/28/2010	0.01	
9/8/2010	0.011	
4/29/2011	0.0096	
10/27/2011	0.011	
5/4/2012	0.01	
11/11/2012	0.01	
5/9/2013	0.011	
11/5/2013	0.015	
5/21/2014	0.013	
11/12/2014	0.012	
5/23/2015	0.014	
11/12/2015	0.016	
4/13/2016	0.0152 (D)	
6/21/2016	0.016	
8/15/2016	0.015	
10/5/2016	0.016	
12/1/2016	0.015	
2/8/2017	0.017	
4/6/2017	0.018	
6/21/2017	0.017	
10/5/2017	0.018	
3/21/2018	0.017 (J+X)	
10/2/2018	0.018	
3/27/2019		0.017
9/11/2019		0.023
3/18/2020		0.02
9/9/2020		0.018

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.01	
6/17/2010	0.0087	
7/28/2010	0.028 (O)	
9/7/2010	0.022	
4/29/2011	0.0099	
10/28/2011	0.0089	
5/3/2012	0.0091	
11/9/2012	0.008	
5/10/2013	0.019	
11/6/2013	0.013	
5/22/2014	0.0093 (J)	
11/9/2014	0.0098 (J)	
5/22/2015	0.01	
11/10/2015	0.011	
4/12/2016	0.00925 (JD)	
6/20/2016	0.0076 (J)	
8/12/2016	0.0079	
10/5/2016	0.0085	
11/30/2016	0.0086	
2/8/2017	0.011	
4/6/2017	0.0098	
6/21/2017	0.011	
10/5/2017	0.01	
3/21/2018	<0.0093 (X)	
10/3/2018	0.0081	
3/26/2019		0.0075
9/10/2019		0.0092
3/18/2020		0.0049
9/10/2020		0.0061

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	0.003 (O)	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	2.2E-05 (J)	
8/10/2016	<0.0025	
10/4/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00031 (J)
3/18/2020		0.00034 (J)
9/9/2020		<0.0025

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	8.4E-05 (J)	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00052 (J)
3/18/2020		<0.0025
9/9/2020		0.00019 (J)



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/5/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		<0.0025
3/18/2020		0.00017 (J)
9/9/2020		<0.0025

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		<0.0025
3/18/2020		<0.0025
9/10/2020		0.00033 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0004	
6/16/2010	<0.0004	
7/26/2010	<0.0004	
9/7/2010	<0.0004	
4/29/2011	<0.0004	
10/28/2011	<0.0004	
5/2/2012	<0.0004	
11/9/2012	<0.0004	
5/8/2013	<0.0004	
11/6/2013	<0.0004	
5/23/2014	<0.0004	
11/8/2014	<0.0004	
5/22/2015	0.0032 (O)	
11/10/2015	<0.0004	
4/11/2016	<0.0004	
6/16/2016	<0.0004	
8/11/2016	<0.0004	
10/5/2016	<0.0004	
11/29/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	<0.0004	
6/21/2017	<0.0004	
10/5/2017	<0.0004	
3/20/2018	<0.0004	
10/2/2018	<0.0004	
3/26/2019		<0.0004
9/11/2019		0.00023 (J)
3/18/2020		0.00018 (J)
9/9/2020		0.00014 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/8/2014	<0.0025	
5/23/2015	<0.0025	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/5/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/12/2019		0.00021 (J)
3/19/2020		0.00014 (J)
9/9/2020		<0.0025

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00015 (J)
3/18/2020		<0.0025
9/9/2020		<0.0025

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0004	
6/17/2010	<0.0004	
7/27/2010	<0.0004	
9/7/2010	<0.0004	
4/29/2011	<0.0004	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/6/2013	<0.0004	
5/22/2014	<0.0004	
11/9/2014	<0.0004	
5/24/2015	<0.0004	
11/10/2015	<0.0004	
4/12/2016	<0.0004	
6/16/2016	0.00012 (J)	
8/11/2016	<0.0004	
10/5/2016	<0.0004	
11/30/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	0.0005 (J)	
6/21/2017	<0.0004	
10/5/2017	<0.0004	
3/21/2018	<0.0004	
10/3/2018	<0.0004	
3/26/2019		<0.0004
9/12/2019		0.00021 (J)
3/19/2020		0.00026 (J)
9/10/2020		0.00018 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0004	
6/17/2010	<0.0004	
7/28/2010	0.0034 (O)	
9/7/2010	<0.0004	
4/29/2011	0.0037 (O)	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/9/2012	<0.0004	
5/10/2013	<0.0004	
11/6/2013	<0.0004	
5/22/2014	<0.0004	
11/9/2014	<0.0004	
5/22/2015	<0.0004	
11/10/2015	<0.0004	
4/12/2016	<0.0004 (D)	
6/20/2016	0.0001 (J)	
8/12/2016	0.00042 (J)	
10/5/2016	<0.0004	
11/30/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	<0.0004	
6/21/2017	0.00042 (J)	
10/5/2017	<0.0004	
3/21/2018	<0.0004	
10/3/2018	<0.0004	
3/26/2019		<0.0004
9/10/2019		0.00028 (J)
3/18/2020		0.00014 (J)
9/10/2020		0.00023 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/10/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	0.00016 (J)	
8/12/2016	<0.0025	
10/6/2016	0.00068 (J)	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019		0.00096 (J)
9/10/2019		<0.0025
3/19/2020		0.00021 (J)
9/10/2020		0.00032 (J)



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
6/22/2016	<0.0025	
8/16/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		9.9E-05 (J)
3/18/2020		<0.0025
9/9/2020		<0.0025

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0004	
6/18/2010	<0.0004	
7/28/2010	<0.0004	
9/9/2010	<0.0004	
4/30/2011	<0.0004	
10/29/2011	<0.0004	
5/4/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/7/2013	<0.0004	
5/21/2014	<0.0004	
11/12/2014	<0.0004	
5/24/2015	<0.0004	
11/11/2015	<0.0004	
4/13/2016	<0.0004 (D)	
6/20/2016	8.6E-05 (J)	
8/15/2016	<0.0004	
10/6/2016	<0.0004	
12/1/2016	<0.0004	
2/9/2017	<0.0004	
4/7/2017	<0.0004	
6/22/2017	<0.0004	
10/6/2017	<0.0004	
3/22/2018	<0.0004	
10/4/2018	<0.0004	
3/27/2019		<0.0004
9/11/2019		0.00016 (J)
3/19/2020		0.00013 (J)
9/10/2020		0.00038 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/3/2012	<0.0025	
11/11/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/23/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/22/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		0.00016 (J)
3/18/2020		<0.0025
9/9/2020		0.00023 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	0.0025 (J)	
7/26/2010	0.0023 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019		<0.002
9/11/2019		0.00084 (J)
3/18/2020		<0.002
9/9/2020		0.00084 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/28/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/8/2013	<0.0018	
11/5/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/6/2016	0.00202 (J)	
10/4/2016	<0.0018	
4/4/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/10/2019		0.00081 (J)
3/18/2020		0.00043 (J)
9/9/2020		0.00069 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	0.0086 (O)	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/23/2014	<0.0018	
11/13/2014	<0.0018	
5/23/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/4/2016	<0.0018	
4/5/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/10/2019		0.00065 (J)
3/18/2020		0.00056 (J)
9/9/2020		0.00047 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	<0.0018	
3/27/2019		<0.0018
9/11/2019		0.00066 (J)
3/18/2020		0.0005 (J)
9/10/2020		0.0012

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00084 (J)
3/18/2020		0.0006 (J)
9/10/2020		0.00088 (J)



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/29/2010	<0.0018	
9/9/2010	<0.0018	
4/26/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/11/2012	<0.0018	
5/8/2013	<0.0018	
11/7/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/7/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/22/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00039 (J)
3/18/2020		0.00061 (J)
9/10/2020		0.00044 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/26/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/8/2013	<0.0018	
11/6/2013	<0.0018	
5/23/2014	<0.0018	
11/8/2014	<0.0018	
5/22/2015	0.0045 (O)	
11/10/2015	<0.0018	
4/11/2016	<0.0018	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00048 (J)
3/18/2020		0.00034 (J)
9/9/2020		0.00064 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/8/2014	<0.0018	
5/23/2015	0.01 (O)	
11/10/2015	<0.0018	
4/11/2016	<0.0018	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/12/2019		0.0015
3/19/2020		0.00047 (J)
9/9/2020		0.00039 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	0.003 (J)	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0063 (O)	
11/10/2015	<0.0018	
4/12/2016	<0.0018	
10/5/2016	<0.0018	
4/6/2017	0.002 (J)	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019		<0.0018
9/12/2019		0.00097 (J)
3/19/2020		0.00098 (J)
9/10/2020		0.00098 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	0.019 (O)	
9/7/2010	0.0093 (O)	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	0.0035 (J)	
5/10/2013	0.0081 (O)	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/10/2015	<0.0018	
4/12/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	0.0022 (J)	
10/3/2018	0.0018 (J)	
3/26/2019		<0.0018
9/10/2019		0.0016
3/18/2020		0.00091 (J)
9/10/2020		0.0014

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.006 (O)	
11/11/2015	<0.0018	
4/19/2016	0.00268 (J)	
10/6/2016	<0.0018	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0018	
3/22/2018	0.0019 (J)	
10/3/2018	<0.0018	
3/27/2019		<0.0018
9/11/2019		0.0007 (J)
3/18/2020		0.00068 (J)
9/9/2020		0.00039 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.0034	
6/18/2010	0.0046	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/29/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	0.0053	
5/9/2013	<0.0018	
11/7/2013	<0.0018	
5/21/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0047	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00099 (J)
3/18/2020		0.00062 (J)
9/10/2020		0.0009 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0044	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/7/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019		<0.001
9/11/2019		0.00046 (J)
3/19/2020		<0.001
9/10/2020		0.0007 (J)



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/27/2011	<0.001	
5/3/2012	<0.001	
11/11/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019		<0.001
9/11/2019		0.00063 (J)
3/18/2020		<0.001
9/9/2020		0.00046 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, T Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/18/2020		<0.001
9/9/2020		0.00025 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		0.00023 (J)
3/18/2020		<0.001
9/9/2020		<0.001

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/18/2020		0.00049 (J)
9/9/2020		<0.001

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/22/2014	<0.001	
11/13/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/18/2020		0.00025 (J)
9/9/2020		<0.001

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/10/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/19/2020		0.00036 (J)
9/10/2020		<0.001

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.013	
6/19/2010	0.0075 (J)	
7/28/2010	0.01	
9/8/2010	0.038	
4/30/2011	0.053 (O)	
10/27/2011	0.016	
5/4/2012	0.018	
11/11/2012	0.025	
5/10/2013	0.09 (O)	
11/7/2013	0.02	
5/21/2014	0.016	
11/13/2014	0.065 (O)	
5/23/2015	0.032	
11/11/2015	0.033	
4/19/2016	0.0233	
10/10/2016	0.019 (D)	
4/7/2017	0.0044	
10/9/2017	0.0047	
3/22/2018	0.0043	
10/4/2018	<0.001	
3/27/2019		0.003
9/11/2019		0.0042
3/18/2020		0.0031
9/9/2020		<0.001

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0065	
6/18/2010	<0.0065	
7/27/2010	<0.0065	
9/8/2010	<0.0065	
4/29/2011	<0.0065	
10/28/2011	<0.0065	
5/3/2012	<0.0065	
11/10/2012	<0.0065	
5/9/2013	<0.0065	
11/6/2013	<0.0065	
5/20/2014	<0.0065	
11/12/2014	<0.0065	
5/23/2015	<0.0065	
11/12/2015	<0.0065	
4/13/2016	0.00409 (JD)	
10/5/2016	<0.0065	
4/5/2017	<0.0065	
10/5/2017	<0.0065	
3/21/2018	<0.0065 (D)	
10/2/2018	<0.0065	
3/26/2019		<0.0065
9/11/2019		0.0065
3/18/2020		0.005
9/10/2020		0.0037 (J)



FIGURE E.

# Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-3	-2.877	Yes	Mann-W
Calcium, total (mg/L)	GWC-5	-2.943	Yes	Mann-W
Calcium, total (mg/L)	GWC-8A	2.696	Yes	Mann-W
Chloride, Total (mg/L)	GWC-10	2.713	Yes	Mann-W
Chloride, Total (mg/L)	GWC-18	2.784	Yes	Mann-W
Chloride, Total (mg/L)	GWC-3	-2.97	Yes	Mann-W
Chloride, Total (mg/L)	GWC-5	-2.902	Yes	Mann-W
Fluoride, total (mg/L)	GWA-16 (bg)	-3.502	Yes	Mann-W
Fluoride, total (mg/L)	GWA-17 (bg)	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-11	-2.578	Yes	Mann-W
Fluoride, total (mg/L)	GWC-13	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-18	-2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-19	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-2	-3.113	Yes	Mann-W
Fluoride, total (mg/L)	GWC-20	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-5	-2.876	Yes	Mann-W
Fluoride, total (mg/L)	GWC-6	-3.346	Yes	Mann-W
Fluoride, total (mg/L)	GWC-7	-2.643	Yes	Mann-W
Fluoride, total (mg/L)	GWC-8A	-2.906	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWA-17 (bg)	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-10	2.843	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-13	2.908	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-2.902	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-8A	-2.616	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	-2.938	Yes	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Boron, total (mg/L)	GWA-17 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-5	-1.896	No	Mann-W
Boron, total (mg/L)	GWC-8A	-0.7126	No	Mann-W
Boron, total (mg/L)	GWC-9	-1.9	No	Mann-W
Calcium, total (mg/L)	GWA-15 (bg)	-0.264	No	Mann-W
Calcium, total (mg/L)	GWA-16 (bg)	-0.2015	No	Mann-W
Calcium, total (mg/L)	GWA-17 (bg)	1.896	No	Mann-W
Calcium, total (mg/L)	GWC-1	0.06716	No	Mann-W
Calcium, total (mg/L)	GWC-10	1.919	No	Mann-W
Calcium, total (mg/L)	GWC-11	0.8083	No	Mann-W
Calcium, total (mg/L)	GWC-12	0.3293	No	Mann-W
Calcium, total (mg/L)	GWC-13	1.838	No	Mann-W
Calcium, total (mg/L)	GWC-14	1.181	No	Mann-W
Calcium, total (mg/L)	GWC-18	-0.4007	No	Mann-W
Calcium, total (mg/L)	GWC-19	2.305	No	Mann-W
Calcium, total (mg/L)	GWC-2	0.3368	No	Mann-W
Calcium, total (mg/L)	GWC-20	-0.4045	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-3</b>	<b>-2.877</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-4	0.869	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-5</b>	<b>-2.943</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-6	-1.897	No	Mann-W
Calcium, total (mg/L)	GWC-7	1.318	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>2.696</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-9	-1.968	No	Mann-W
Chloride, Total (mg/L)	GWA-15 (bg)	0.861	No	Mann-W
Chloride, Total (mg/L)	GWA-16 (bg)	-1.406	No	Mann-W
Chloride, Total (mg/L)	GWA-17 (bg)	-1.523	No	Mann-W
Chloride, Total (mg/L)	GWC-1	-0.8555	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.713</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-11	0.5338	No	Mann-W
Chloride, Total (mg/L)	GWC-12	1.819	No	Mann-W
Chloride, Total (mg/L)	GWC-13	1.273	No	Mann-W
Chloride, Total (mg/L)	GWC-14	0	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-18</b>	<b>2.784</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-19	1.013	No	Mann-W
Chloride, Total (mg/L)	GWC-2	-1.461	No	Mann-W
Chloride, Total (mg/L)	GWC-20	0.2649	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-3</b>	<b>-2.97</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-4	1.111	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWC-5</b>	<b>-2.902</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWC-6	-0.9203	No	Mann-W
Chloride, Total (mg/L)	GWC-7	2.303	No	Mann-W
Chloride, Total (mg/L)	GWC-8A	0.4257	No	Mann-W
Chloride, Total (mg/L)	GWC-9	-1.908	No	Mann-W
Fluoride, total (mg/L)	GWA-15 (bg)	-0.7724	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-3.502</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-3.031</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-1	-1.13	No	Mann-W
Fluoride, total (mg/L)	GWC-10	-1.252	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-11</b>	<b>-2.578</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-12	-2.262	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-13</b>	<b>-3.031</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-14	-2.262	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-18</b>	<b>-2.597</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-19</b>	<b>-2.765</b>	<b>Yes</b>	<b>Mann-W</b>

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

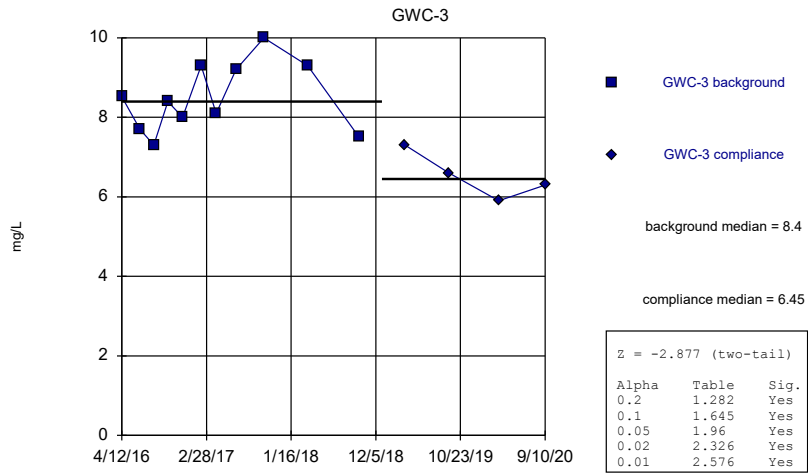
Constituent	Well	Calc.	0.01	Method
<b>Fluoride, total (mg/L)</b>	<b>GWC-2</b>	<b>-3.113</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-20</b>	<b>-2.765</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-3	-0.9574	No	Mann-W
Fluoride, total (mg/L)	GWC-4	-1.582	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-5</b>	<b>-2.876</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-6</b>	<b>-3.346</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-7</b>	<b>-2.643</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-8A</b>	<b>-2.906</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-9	-1.205	No	Mann-W
pH, Field (S.U.)	GWA-15 (bg)	-0.7134	No	Mann-W
pH, Field (S.U.)	GWA-16 (bg)	-1.011	No	Mann-W
pH, Field (S.U.)	GWA-17 (bg)	1.72	No	Mann-W
pH, Field (S.U.)	GWC-1	1.131	No	Mann-W
pH, Field (S.U.)	GWC-10	1.188	No	Mann-W
pH, Field (S.U.)	GWC-11	0.8835	No	Mann-W
pH, Field (S.U.)	GWC-12	0.5939	No	Mann-W
pH, Field (S.U.)	GWC-13	-1.239	No	Mann-W
pH, Field (S.U.)	GWC-14	1.324	No	Mann-W
pH, Field (S.U.)	GWC-18	0.7123	No	Mann-W
pH, Field (S.U.)	GWC-19	-2.551	No	Mann-W
pH, Field (S.U.)	GWC-2	-0.1897	No	Mann-W
pH, Field (S.U.)	GWC-20	-0.6553	No	Mann-W
pH, Field (S.U.)	GWC-3	1.365	No	Mann-W
pH, Field (S.U.)	GWC-4	1.779	No	Mann-W
pH, Field (S.U.)	GWC-5	1.723	No	Mann-W
pH, Field (S.U.)	GWC-6	1.792	No	Mann-W
pH, Field (S.U.)	GWC-7	1.453	No	Mann-W
pH, Field (S.U.)	GWC-8A	-0.6036	No	Mann-W
pH, Field (S.U.)	GWC-9	1.543	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-15 (bg)	1.487	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-16 (bg)	-1.809	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-3.173</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-1	-0.7416	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>2.843</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-11	-0.7724	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-12	-0.5864	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>2.908</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-14	-1.587	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-18</b>	<b>-3.173</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-19	-0.1103	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-2	-1.323	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-20	-2.538	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-3	-1.769	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-4	-0.3273	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-5</b>	<b>-2.902</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-6	-1.834	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-7	-2.262	No	Mann-W
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-8A</b>	<b>-2.616</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate as SO4 (mg/L)	GWC-9	-1.764	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	-0.1965	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	-1.252	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	0.1308	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-1	0.06768	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-10	1.222	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-11	0	No	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

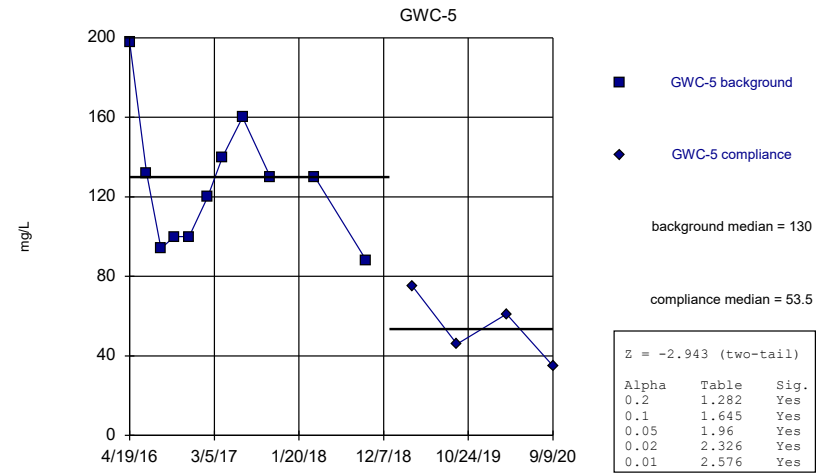
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Total Dissolved Solids [TDS] (mg/L)	GWC-12	0.4615	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-13	0.2838	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-14	-0.654	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-18	0.3927	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-19	0.8642	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-2	1.123	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-20	0.4598	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-3	-1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-4	0.929	No	Mann-W
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-5</b>	<b>-2.938</b>	<b>Yes</b>	<b>Mann-W</b>
Total Dissolved Solids [TDS] (mg/L)	GWC-6	-1.987	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-7	-1.058	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	2.557	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-9	-0.7904	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)



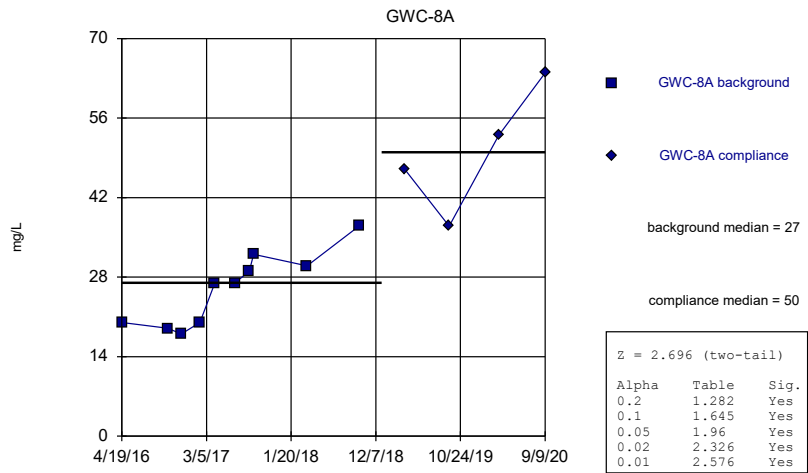
Constituent: Calcium, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



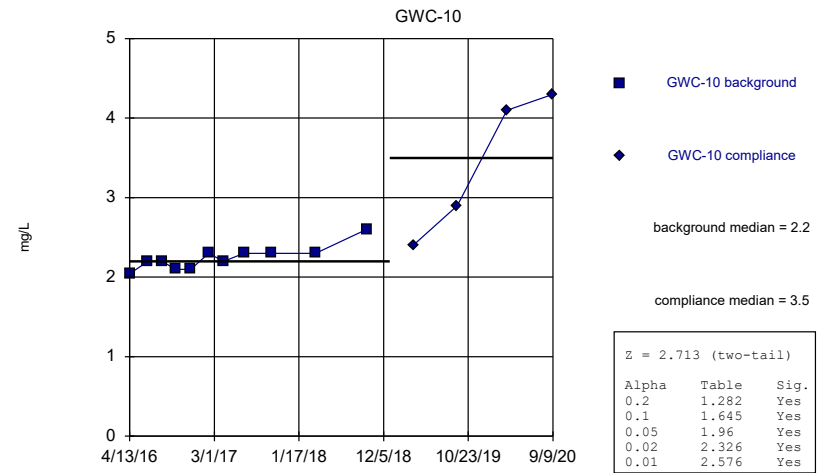
Constituent: Calcium, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



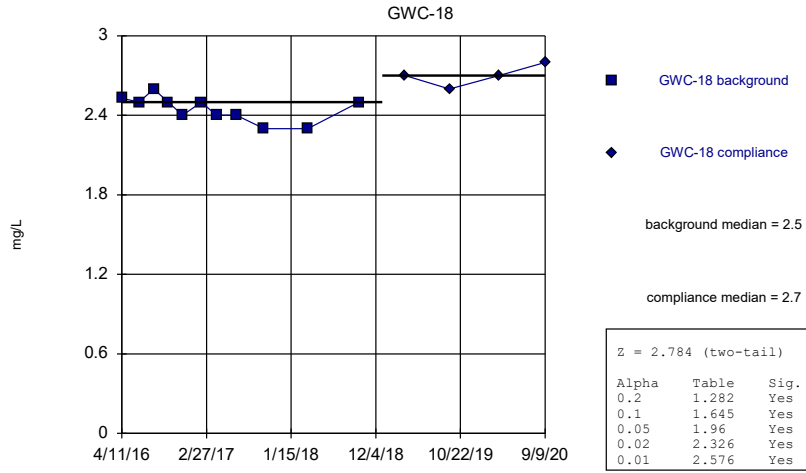
Constituent: Calcium, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



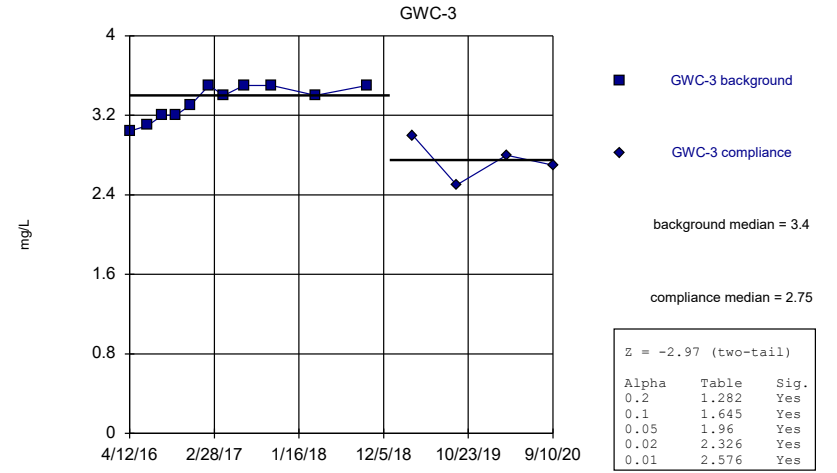
Constituent: Chloride, Total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



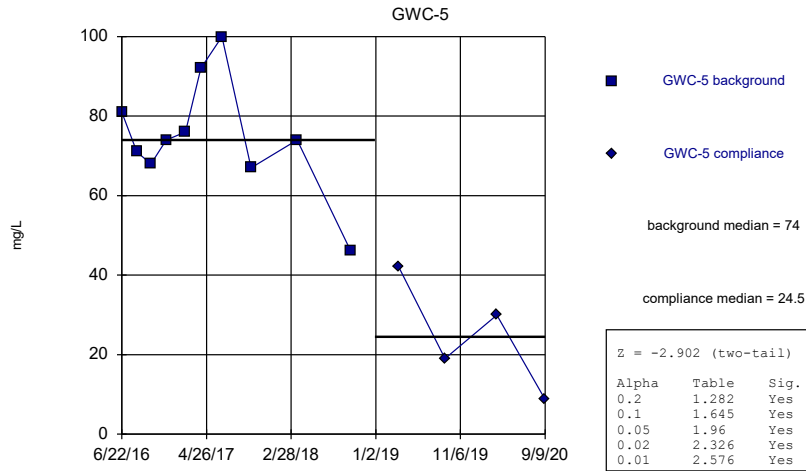
Constituent: Chloride, Total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



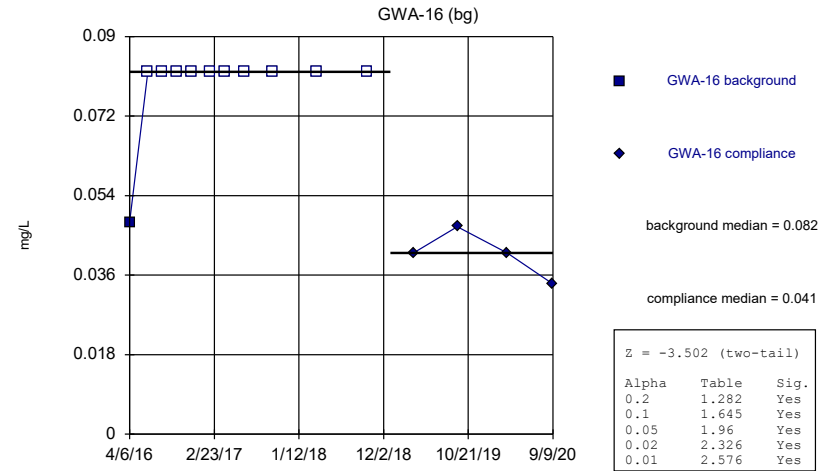
Constituent: Chloride, Total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



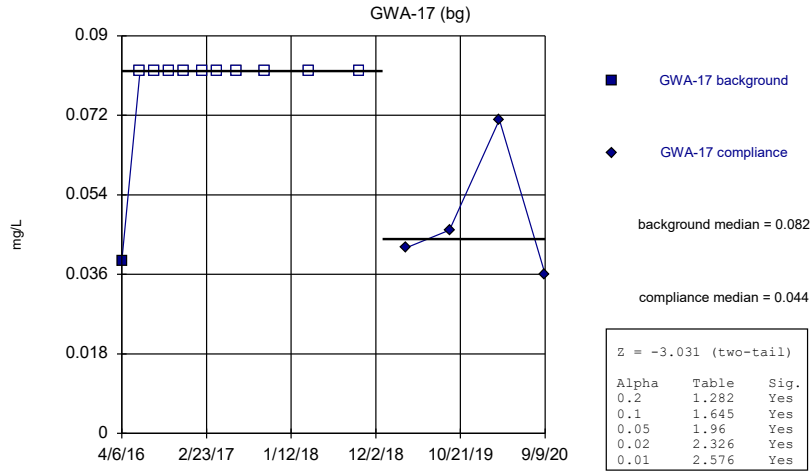
Constituent: Chloride, Total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



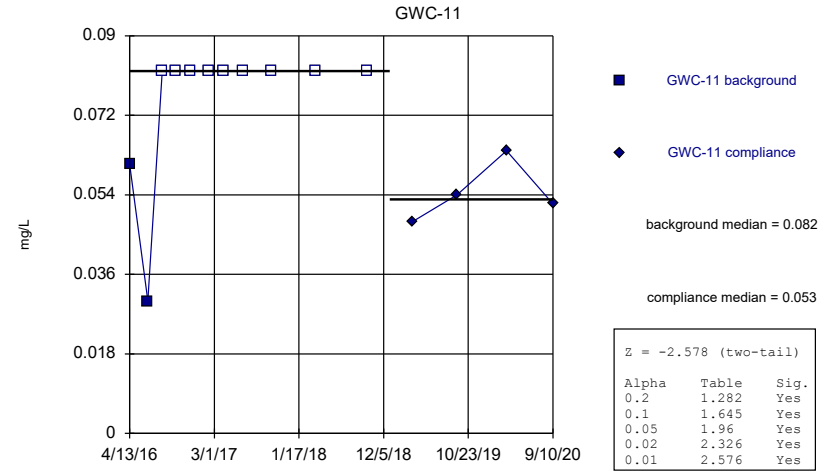
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



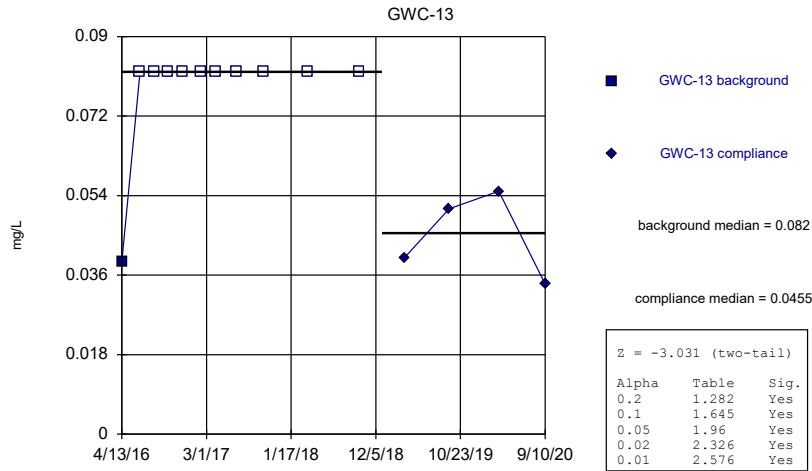
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



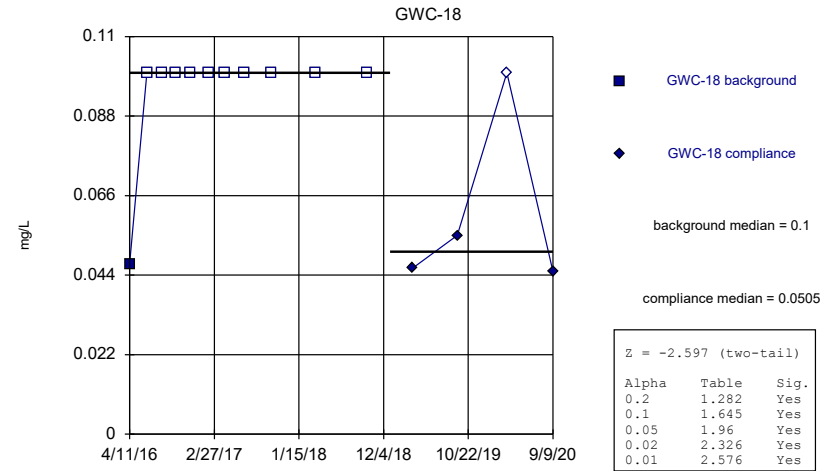
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

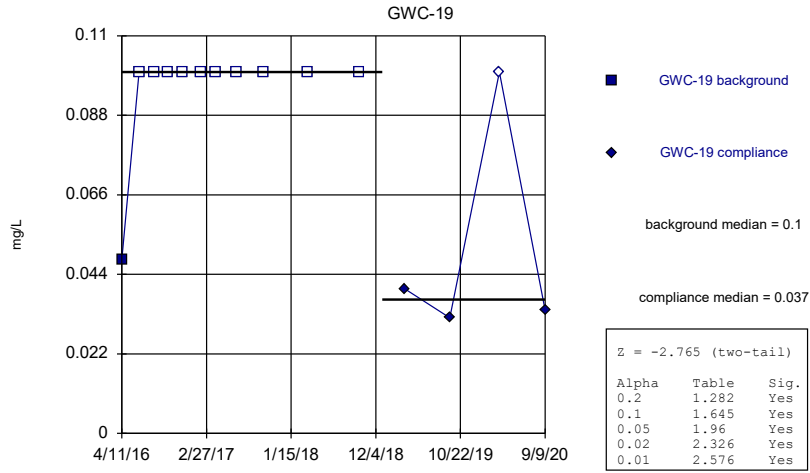
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

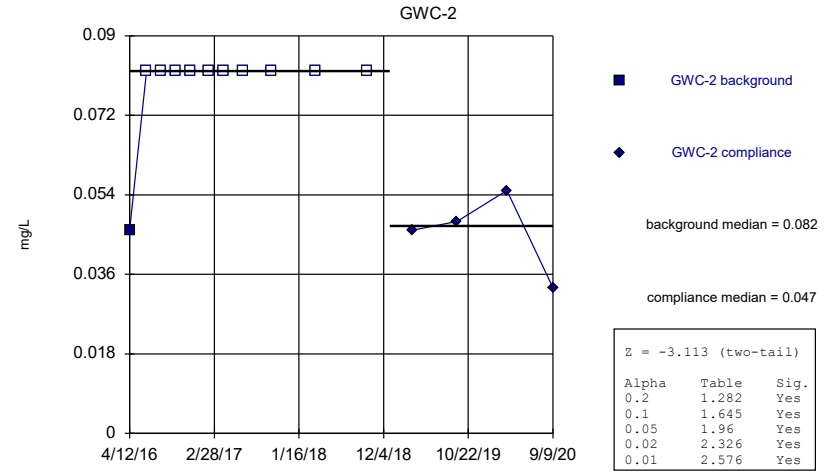


Mann-Whitney (Wilcoxon Rank Sum)



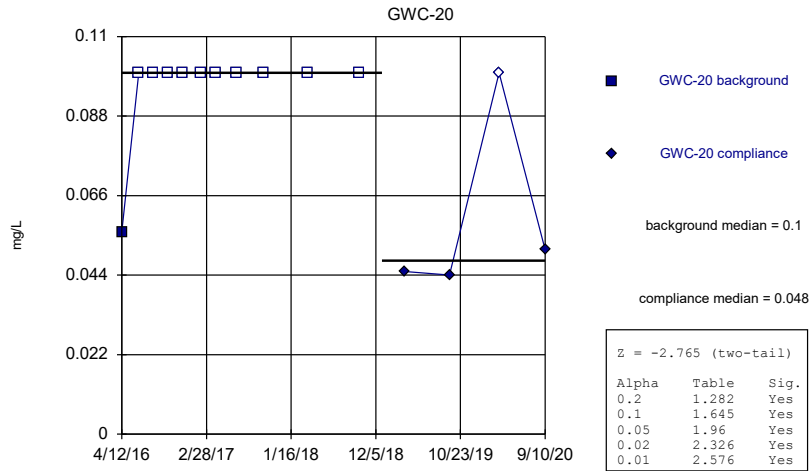
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



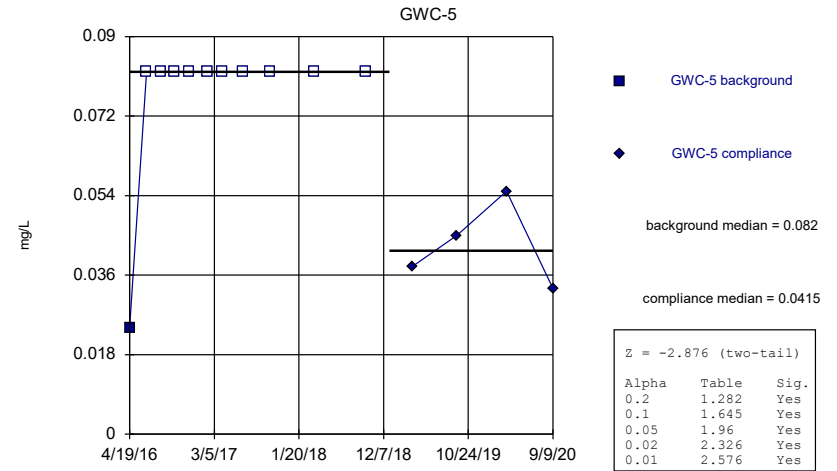
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



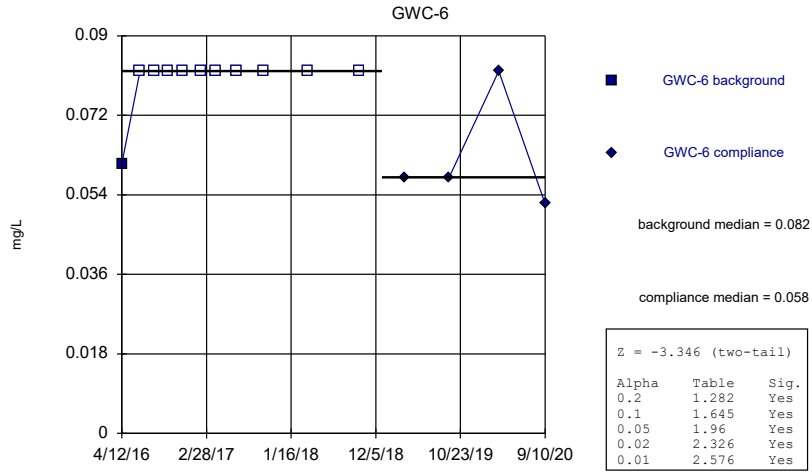
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



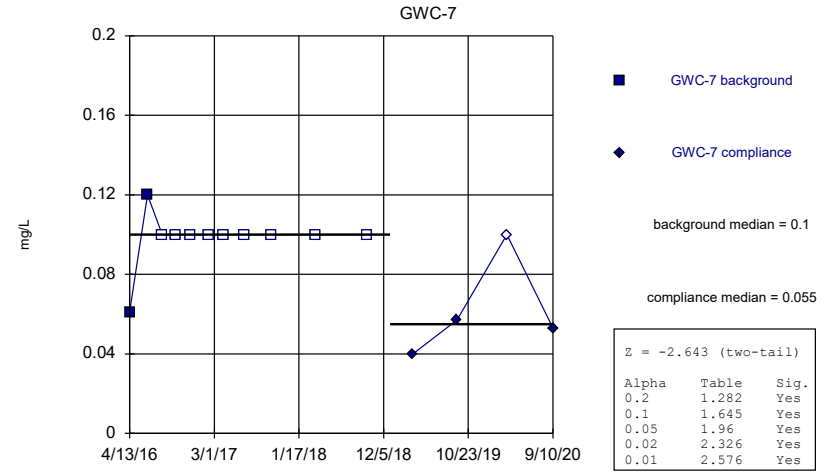
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



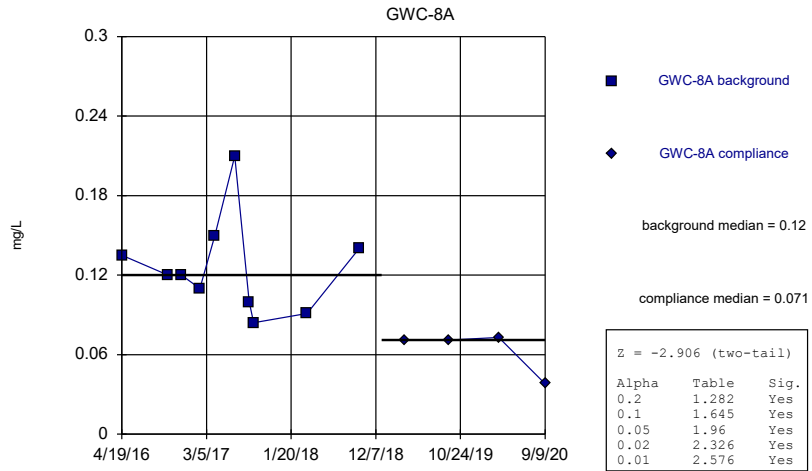
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



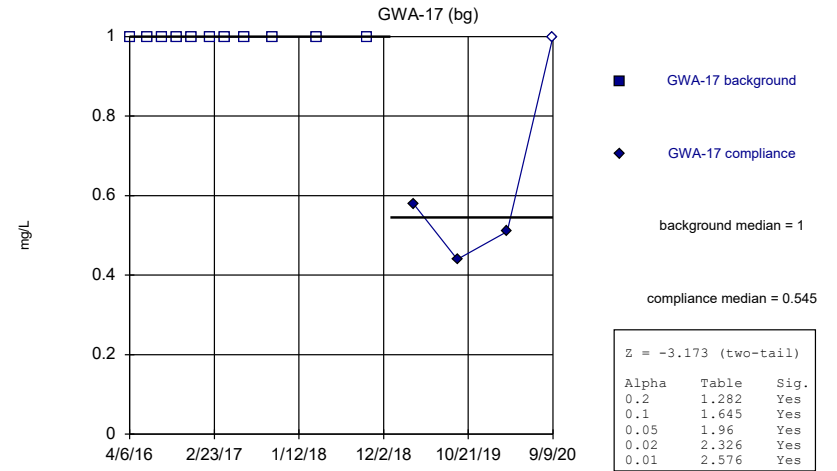
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



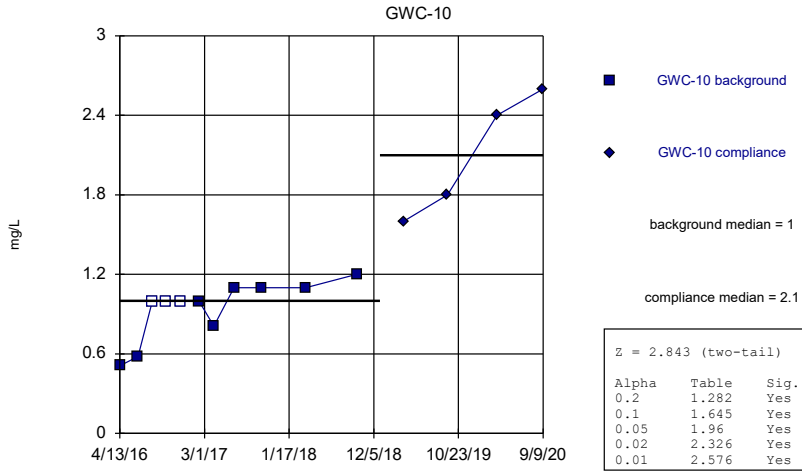
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



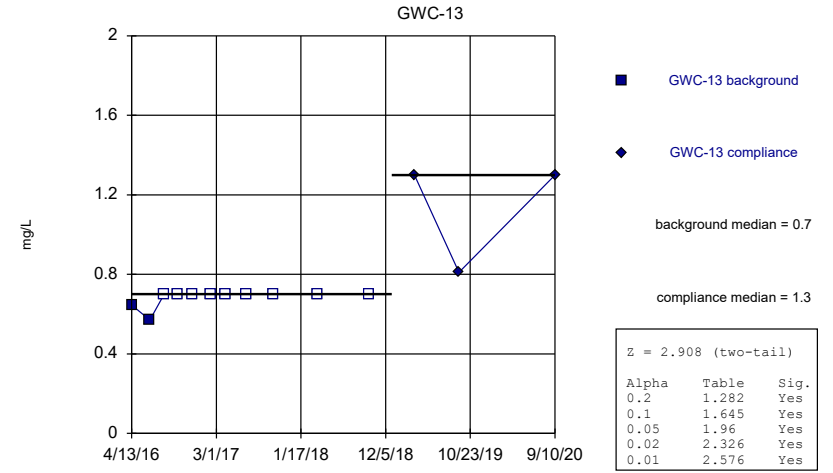
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



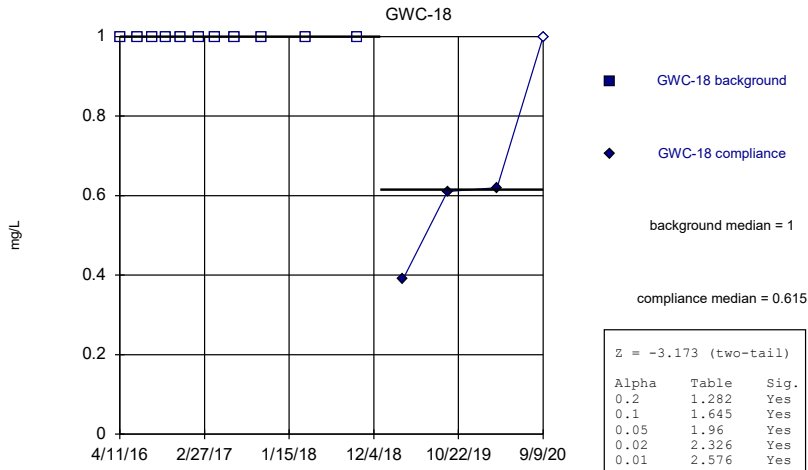
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



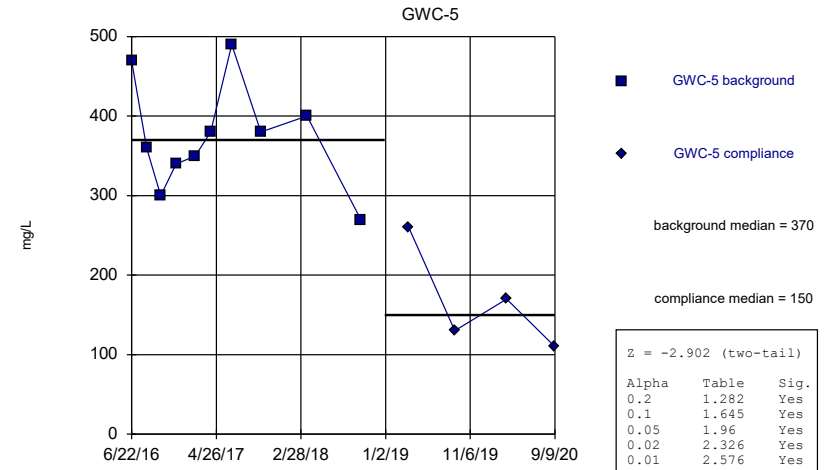
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

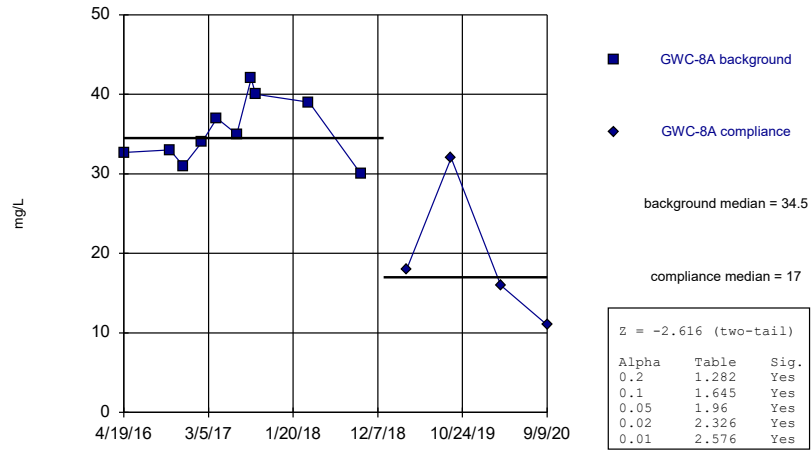
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

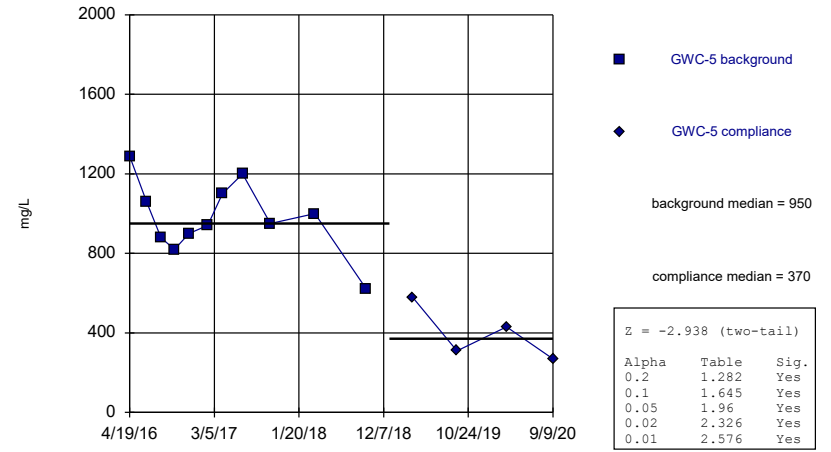
GWC-8A



Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Append  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	8.52 (D)	
6/20/2016	7.7	
8/12/2016	7.3	
10/5/2016	8.4	
11/30/2016	8	
2/8/2017	9.3	
4/6/2017	8.1	
6/21/2017	9.2 (D)	
10/5/2017	10	
3/21/2018	9.3	
10/3/2018	7.5	
3/26/2019		7.3
9/10/2019		6.6
3/18/2020		5.9
9/10/2020		6.3

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	198	
6/22/2016	132	
8/16/2016	94	
10/6/2016	100	
12/1/2016	100	
2/9/2017	120	
4/6/2017	140	
6/21/2017	160 (D)	
10/5/2017	130	
3/22/2018	130	
10/3/2018	88	
3/27/2019		75
9/11/2019		46
3/18/2020		61
9/9/2020		35

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	20	
10/10/2016	19	
12/1/2016	18	
2/9/2017	20	
4/7/2017	27	
6/21/2017	27 (D)	
8/15/2017	29	
9/1/2017	32	
3/22/2018	30	
10/4/2018	37	
3/27/2019		47
9/11/2019		37
3/18/2020		53
9/9/2020		64

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	2.04 (D)	
6/21/2016	2.2	
8/15/2016	2.2	
10/5/2016	2.1	
12/1/2016	2.1	
2/8/2017	2.3	
4/6/2017	2.2	
6/21/2017	2.3	
10/5/2017	2.3	
3/21/2018	2.3	
10/2/2018	2.6	
3/27/2019		2.4
9/11/2019		2.9
3/18/2020		4.1
9/9/2020		4.3



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	2.53	
6/16/2016	2.5	
8/11/2016	2.6	
10/5/2016	2.5	
11/29/2016	2.4	
2/8/2017	2.5	
4/6/2017	2.4	
6/21/2017	2.4	
10/5/2017	2.3	
3/20/2018	2.3	
10/2/2018	2.5	
3/26/2019		2.7
9/11/2019		2.6
3/18/2020		2.7
9/9/2020		2.8

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	3.04 (D)	
6/20/2016	3.1	
8/16/2016	3.2	
10/5/2016	3.2	
11/30/2016	3.3	
2/8/2017	3.5	
4/6/2017	3.4	
6/21/2017	3.5	
10/5/2017	3.5	
3/21/2018	3.4	
10/3/2018	3.5	
3/26/2019		3
9/10/2019		2.5
3/18/2020		2.8
9/10/2020		2.7

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	124 (o)	
6/22/2016	81	
8/16/2016	71	
10/6/2016	68	
12/1/2016	74	
2/9/2017	76	
4/6/2017	92	
6/21/2017	100	
10/5/2017	67	
3/22/2018	74	
10/3/2018	46	
3/27/2019		42
9/11/2019		19
3/18/2020		30
9/9/2020		8.7

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	0.048 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/4/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019		0.041 (J)
9/10/2019		0.047 (J)
3/18/2020		0.041 (J)
9/9/2020		0.034 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	0.039 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/5/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019		0.042 (J)
9/10/2019		0.046 (J)
3/18/2020		0.071 (J)
9/9/2020		0.036 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	0.061 (JD)	
6/21/2016	0.03 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019		0.048 (J)
9/11/2019		0.054 (J)
3/18/2020		0.064 (J)
9/10/2020		0.052 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.039 (JD)	
6/21/2016	<0.082	
8/15/2016	<0.082	
10/7/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/22/2017	<0.082	
10/6/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/26/2019		0.04 (J)
9/11/2019		0.051 (J)
3/18/2020		0.055 (J)
9/10/2020		0.034 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	0.047 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019		0.046 (J)
9/11/2019		0.055 (J)
3/18/2020		<0.1
9/9/2020		0.045 (J)



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	0.048 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019		0.04 (J)
9/12/2019		0.032 (J)
3/19/2020		<0.1
9/9/2020		0.034 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	0.046 (J)	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/4/2016	<0.082	
11/30/2016	<0.082	
2/7/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019		0.046 (J)
9/10/2019		0.048 (J)
3/18/2020		0.055 (J)
9/9/2020		0.033 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	0.056 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/30/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1	
10/3/2018	<0.1	
3/26/2019		0.045 (J)
9/12/2019		0.044 (J)
3/19/2020		<0.1
9/10/2020		0.051 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	0.024 (J)	
6/22/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.038 (J)
9/11/2019		0.045 (J)
3/18/2020		0.055 (J)
9/9/2020		0.033 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	0.061 (J)	
6/20/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
11/30/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/6/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019		0.058 (J)
9/11/2019		0.058 (J)
3/18/2020		0.082 (J)
9/10/2020		0.052 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	0.061 (JD)	
6/20/2016	0.12 (J)	
8/15/2016	<0.1	
10/6/2016	<0.1	
12/1/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/6/2017	<0.1	
3/22/2018	<0.1	
10/4/2018	<0.1	
3/27/2019		0.04 (J)
9/11/2019		0.057 (J)
3/19/2020		<0.1
9/10/2020		0.053 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	0.135 (J)	
10/10/2016	0.12 (J)	
12/1/2016	0.12 (J)	
2/9/2017	0.11 (J)	
4/7/2017	0.15 (J)	
6/21/2017	0.21	
8/15/2017	0.1 (J)	
9/1/2017	0.084 (J)	
3/22/2018	0.091 (J)	
10/4/2018	0.14 (J+X)	
3/27/2019		0.071 (J)
9/11/2019		0.071 (J)
3/18/2020		0.073 (J)
9/9/2020		0.038 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		0.58 (J)
9/10/2019		0.44 (J)
3/18/2020		0.51 (J)
9/9/2020		<1



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	0.51 (JD)	
6/21/2016	0.58 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	1	
4/6/2017	0.81 (J)	
6/21/2017	1.1	
10/5/2017	1.1	
3/21/2018	1.1	
10/2/2018	1.2	
3/27/2019		1.6
9/11/2019		1.8
3/18/2020		2.4
9/9/2020		2.6

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.646 (JD)	
6/21/2016	0.57 (J)	
8/15/2016	<0.7	
10/7/2016	<0.7	
12/1/2016	<0.7	
2/9/2017	<0.7	
4/6/2017	<0.7	
6/22/2017	<0.7	
10/6/2017	<0.7	
3/22/2018	<0.7	
10/3/2018	<0.7	
3/26/2019		1.3
9/11/2019		0.81 (J)
3/18/2020	25 (o)	
9/10/2020		1.3

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		0.39 (J)
9/11/2019		0.61 (J)
3/18/2020		0.62 (J)
9/9/2020		<1

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	575 (o)	
6/22/2016	470	
8/16/2016	360	
10/6/2016	300	
12/1/2016	340	
2/9/2017	350	
4/6/2017	380	
6/21/2017	490	
10/5/2017	380	
3/22/2018	400	
10/3/2018	270	
3/27/2019		260
9/11/2019		130
3/18/2020		170
9/9/2020		110

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	32.7	
10/10/2016	33	
12/1/2016	31	
2/9/2017	34	
4/7/2017	37	
6/21/2017	35	
8/15/2017	42	
9/1/2017	40	
3/22/2018	39	
10/4/2018	30	
3/27/2019		18
9/11/2019		32
3/18/2020		16
9/9/2020		11

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	1290	
6/22/2016	1060	
8/16/2016	880	
10/6/2016	820	
12/1/2016	900	
2/9/2017	940	
4/6/2017	1100	
6/21/2017	1200	
10/5/2017	950	
3/22/2018	1000	
10/3/2018	620	
3/27/2019		580
9/11/2019		310
3/18/2020		430
9/9/2020		270

FIGURE F.

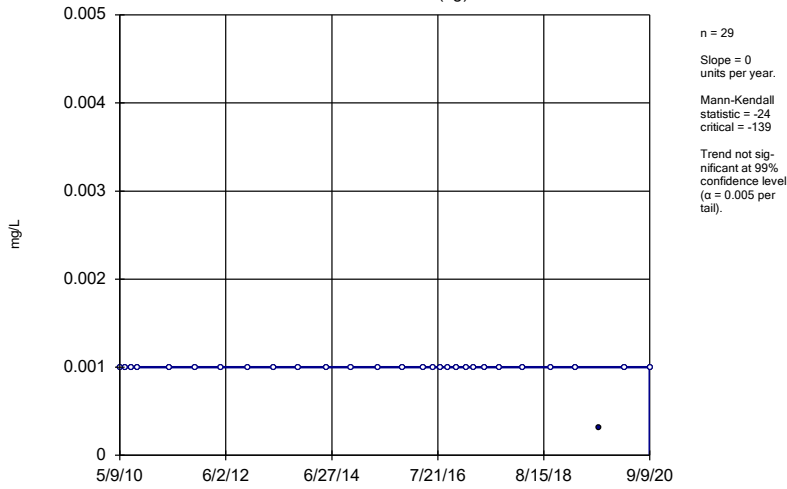
# Upgradient Wells Trend Tests - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 2:12 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic, Total (mg/L)	GWA-15 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-16 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-17 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-15 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-16 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-17 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP

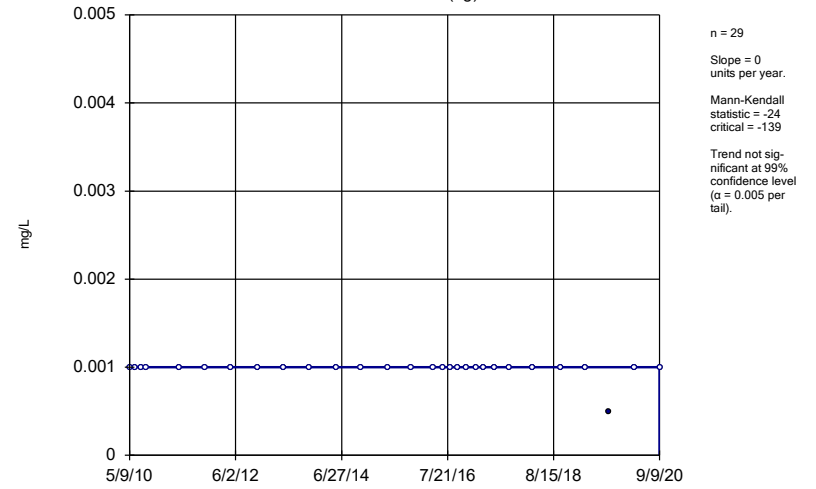


### Sen's Slope Estimator GWA-15 (bg)



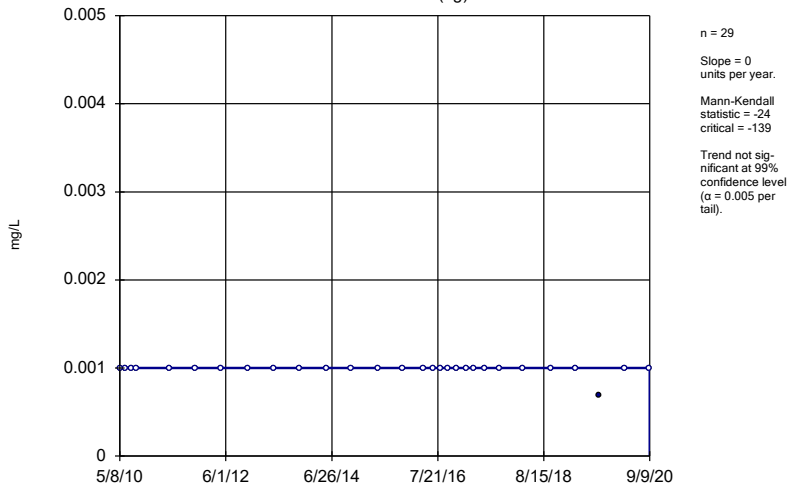
Constituent: Arsenic, Total Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator GWA-16 (bg)



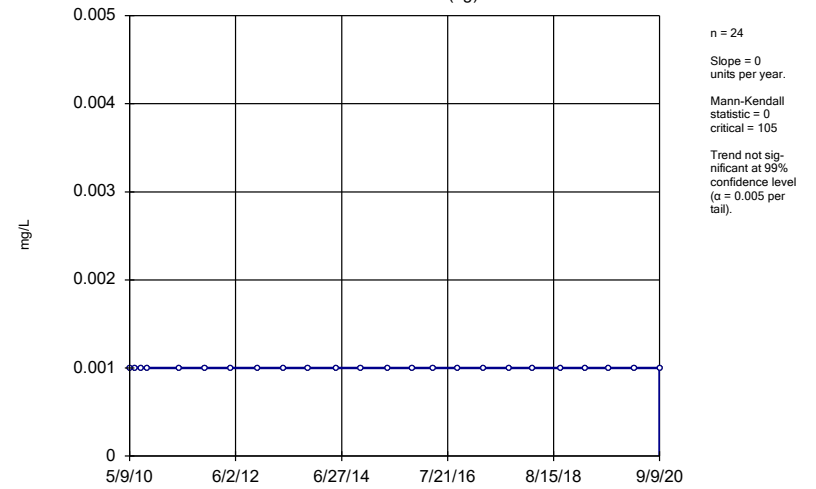
Constituent: Arsenic, Total Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator GWA-17 (bg)



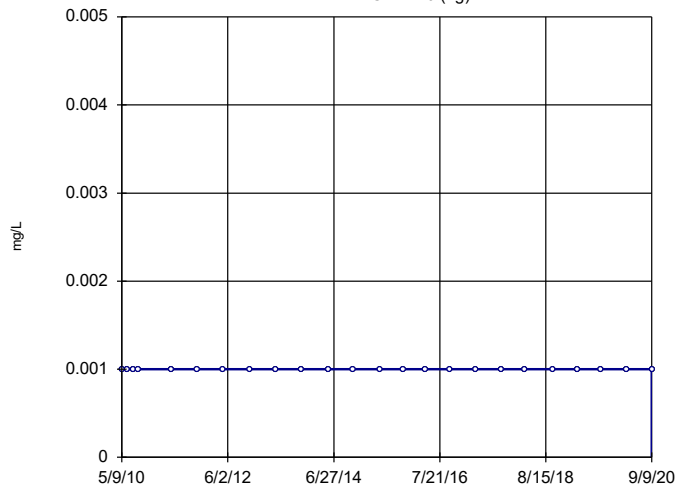
Constituent: Arsenic, Total Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator GWA-15 (bg)



Constituent: Silver Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

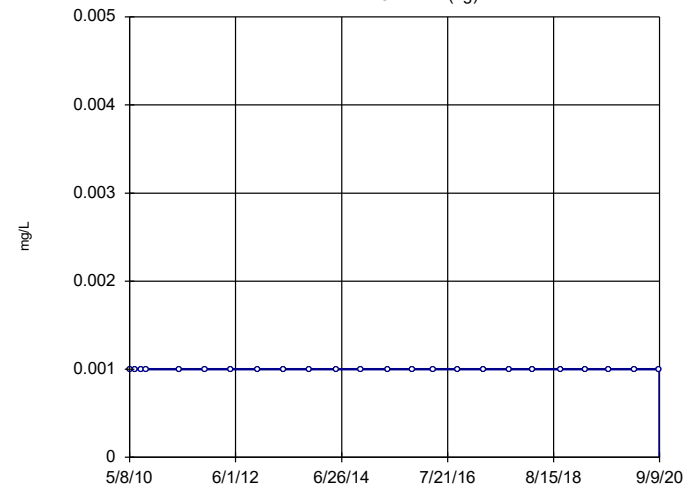
### Sen's Slope Estimator GWA-16 (bg)



n = 24  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 0  
critical = 105  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Silver Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator GWA-17 (bg)



n = 24  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 0  
critical = 105  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Silver Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

FIGURE G.

# Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.01999	n/a	4/5/2021	0.028	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.01	Yes	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2







# Appendix I Intrawell Prediction Limits - All Results

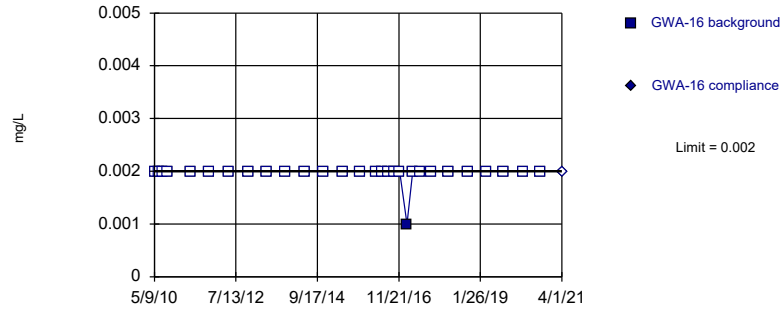
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-14	0.0062	n/a	4/1/2021	0.0013	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01191	n/a	4/1/2021	0.0081	No	24	0.1875	0.01567	4.167	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.01075	n/a	4/5/2021	0.0068	No	24	0.007178	0.001371	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.02033	n/a	4/1/2021	0.014	No	24	0.01352	0.00261	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02389	n/a	4/5/2021	0.017	No	24	0.01733	0.002514	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01131	n/a	4/6/2021	0.0075	No	23	0.08012	0.009969	4.348	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01219	n/a	4/2/2021	0.0081	No	24	0.007693	0.001725	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.006806	n/a	4/1/2021	0.0027	No	24	0.003039	0.001444	25	Kaplan-Meier	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01371	n/a	4/5/2021	0.0091	No	24	0.008936	0.001829	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01729	n/a	4/1/2021	0.014	No	24	0.0001713	0.0000489	4.167	None	x^2	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04443	n/a	4/5/2021	0.0023	No	21	0.01412	0.01131	9.524	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02794	n/a	4/1/2021	0.0095	No	24	0.01653	0.004374	4.167	None	No	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.006	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0084	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.018	n/a	4/1/2021	0.0034J	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0085	n/a	4/6/2021	0.004J	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0077	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.0059	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-2</b>	<b>0.005</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>0.01</b>	<b>Yes</b>	<b>24</b>	<b>n/a</b>	<b>n/a</b>	<b>95.83</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003124</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc (mg/L)	GWC-20	0.0065	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.0069	n/a	4/6/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.006	n/a	4/2/2021	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	4/1/2021	0.005ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0062	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.0074	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.085	n/a	4/5/2021	0.005ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2



Within Limit

### Prediction Limit Intrawell Non-parametric

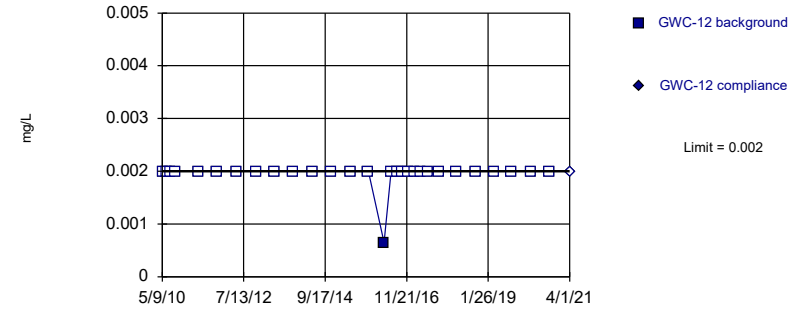


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

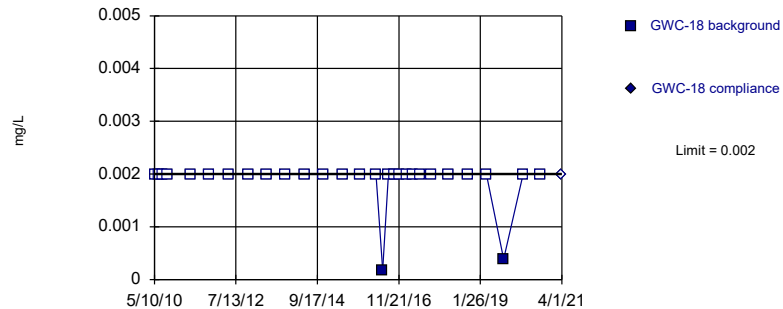


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

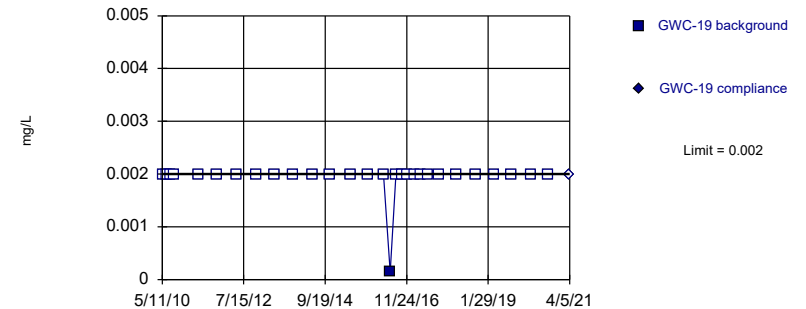


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

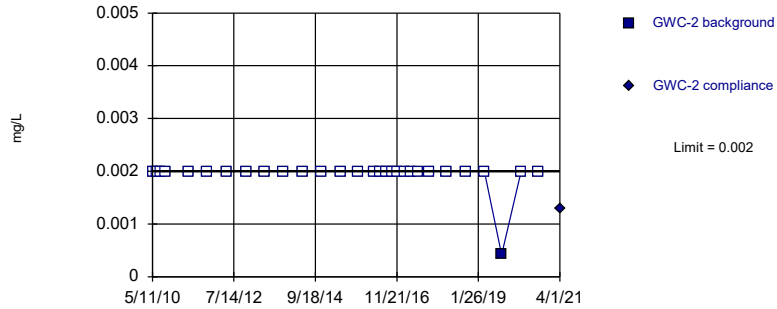


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

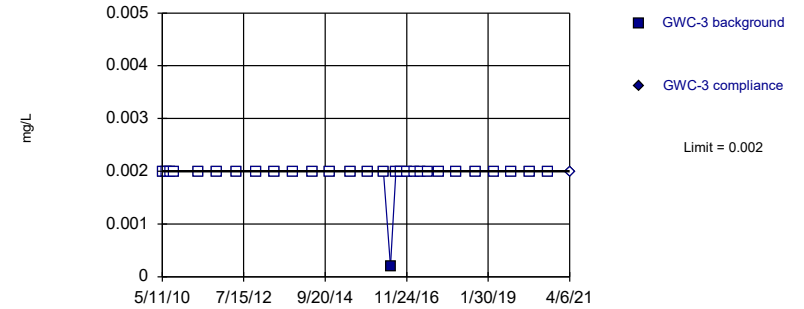


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

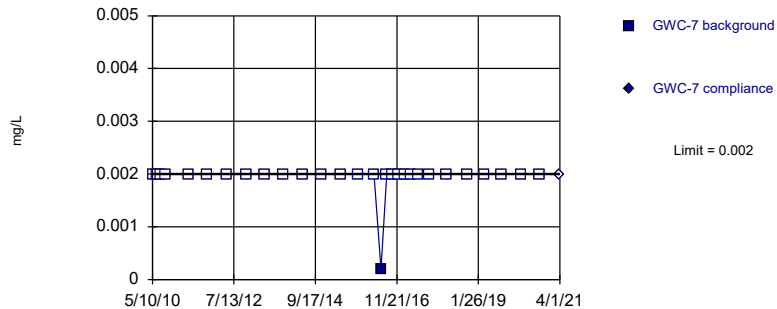


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

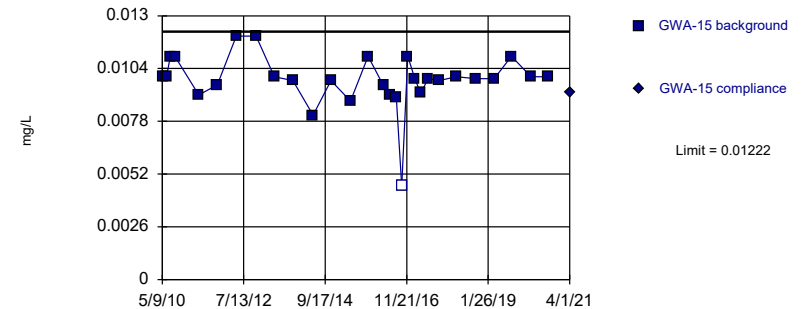


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

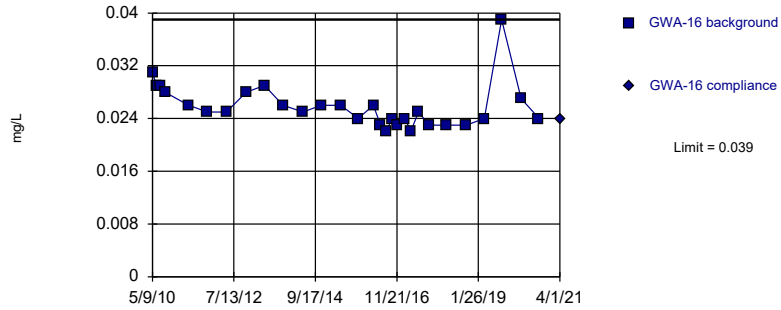


Background Data Summary (based on cube transformation): Mean=1.0e-6, Std. Dev.=3.3e-7, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9129, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

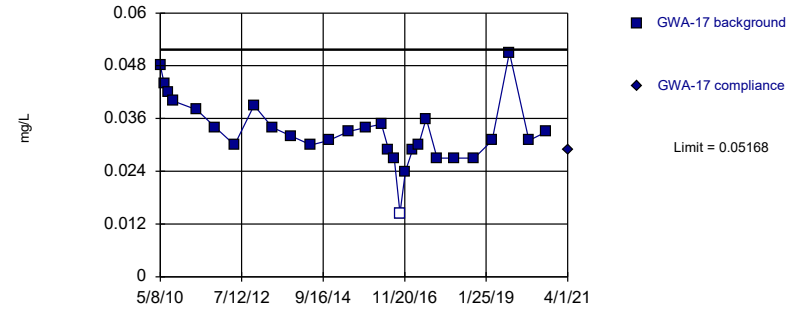


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

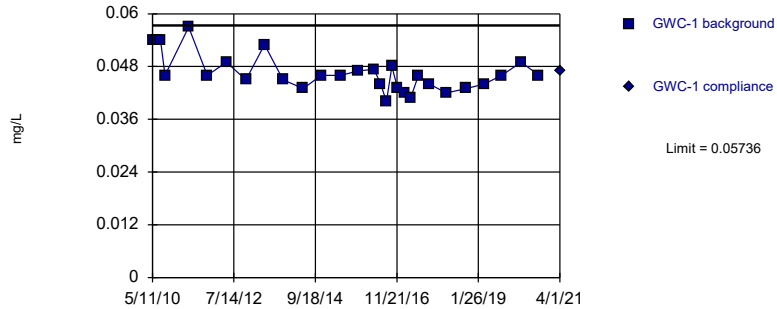


Background Data Summary: Mean=0.03311, Std. Dev.=0.007355, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

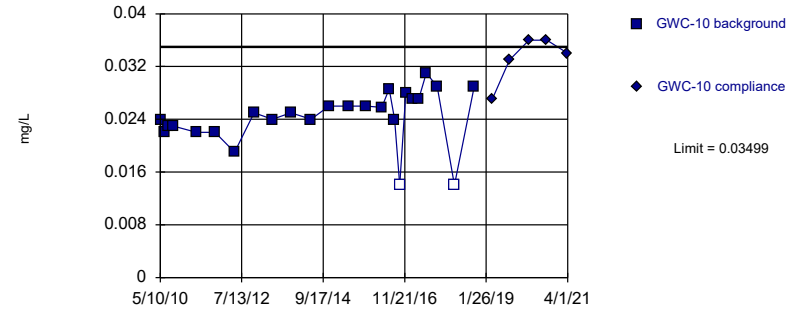


Background Data Summary: Mean=0.04657, Std. Dev.=0.004275, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9101, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

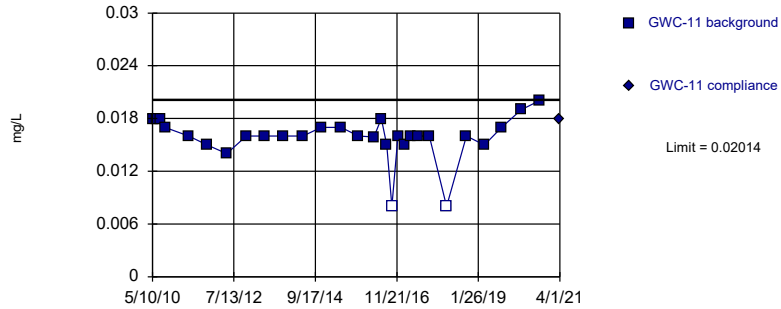


Background Data Summary: Mean=0.02434, Std. Dev.=0.004121, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9043, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

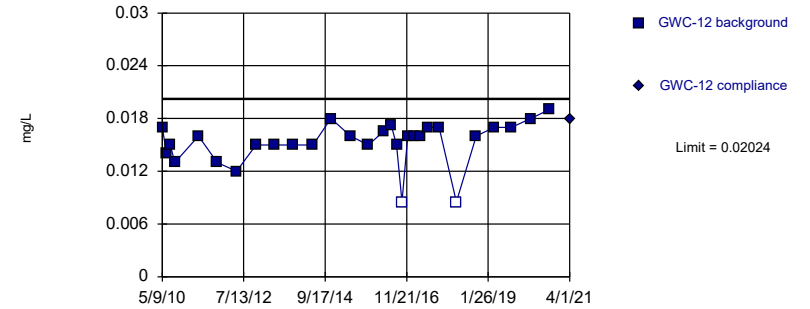


Background Data Summary (based on cube transformation): Mean=0.000004282, Std. Dev.=0.000001538, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9008, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

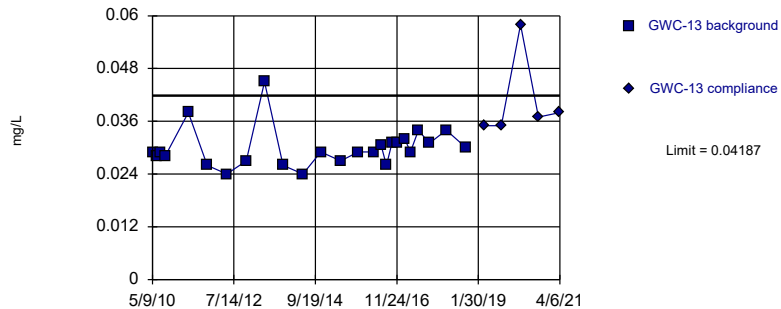


Background Data Summary (based on square transformation): Mean=0.0002401, Std. Dev.=0.00006713, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9197, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

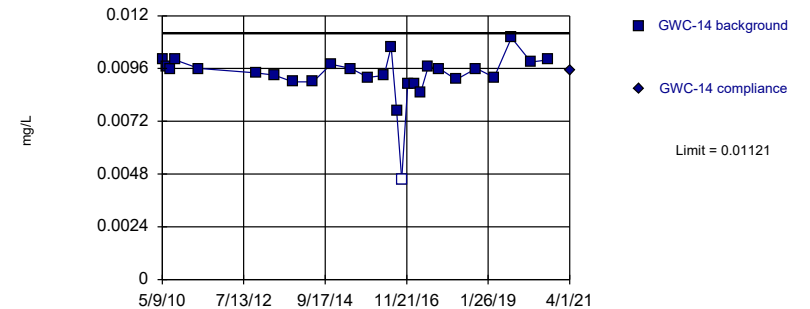


Background Data Summary (based on cube root transformation): Mean=0.3096, Std. Dev.=0.01457, n=25, Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8937, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

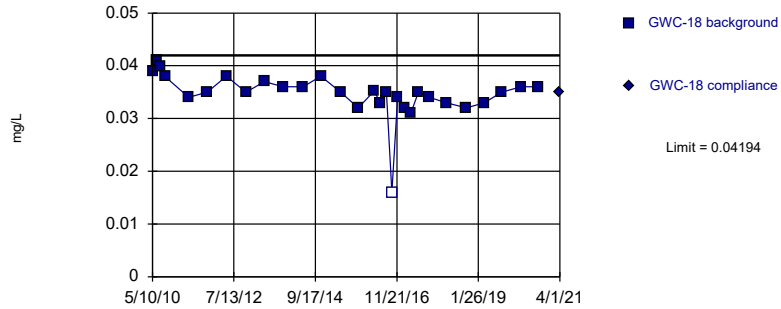


Background Data Summary (based on cube transformation): Mean=8.3e-7, Std. Dev.=2.3e-7, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9, critical = 0.894. Kappa = 2.555 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

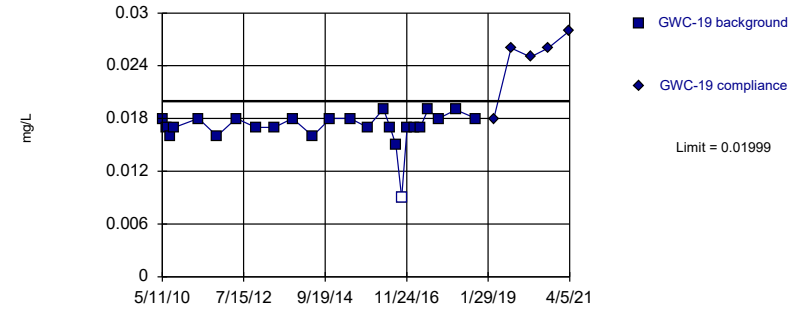


Background Data Summary (based on cube transformation): Mean=0.0000432, Std. Dev.=0.00001211, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9278, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

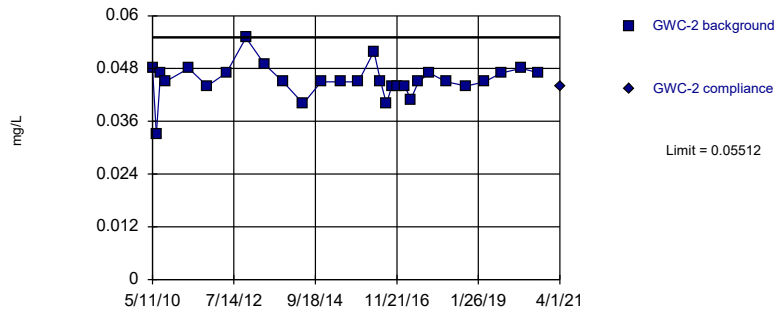


Background Data Summary (based on x^4 transformation): Mean=9.0e-8, Std. Dev.=2.7e-8, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8905, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

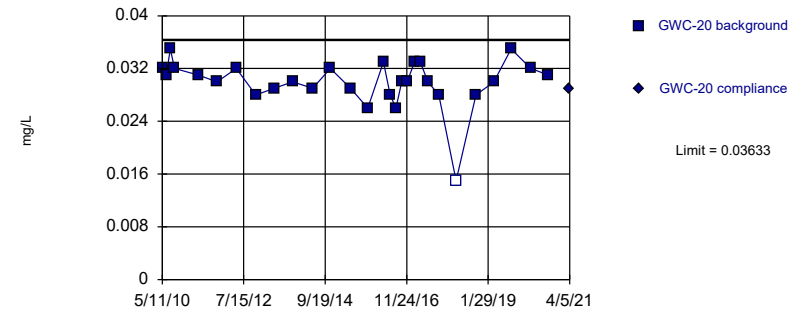


Background Data Summary: Mean=0.04531, Std. Dev.=0.003886, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8982, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

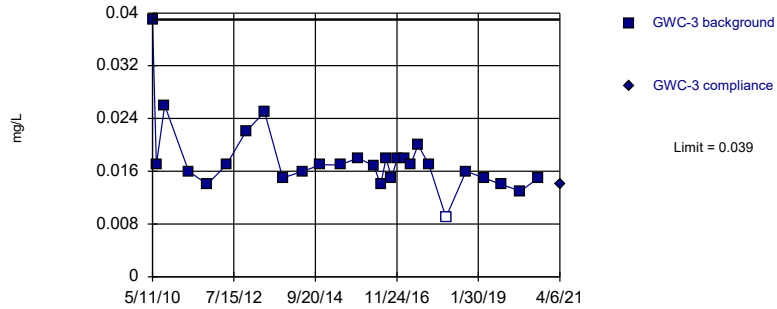


Background Data Summary (based on cube transformation): Mean=0.00002787, Std. Dev.=0.00000795, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.943, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

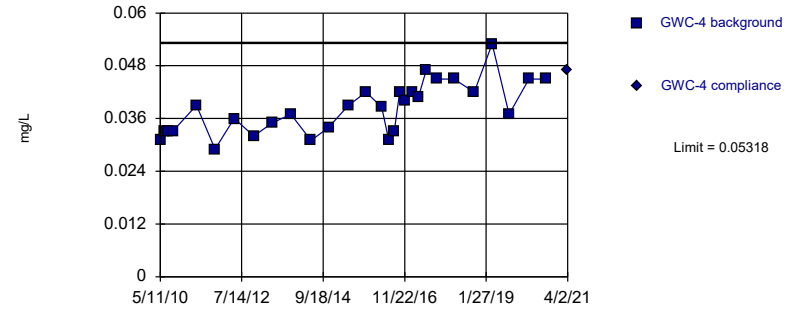


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

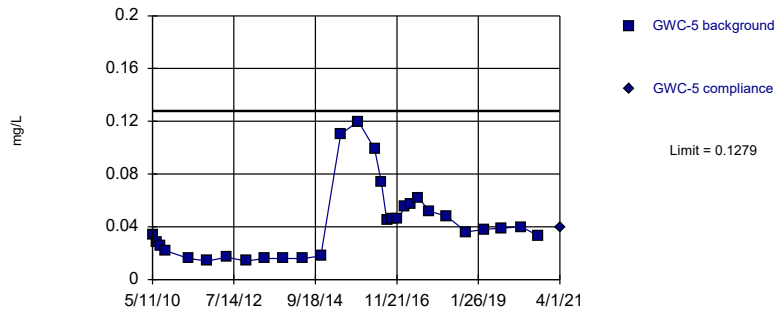


Background Data Summary: Mean=0.0383, Std. Dev.=0.005897, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9543, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

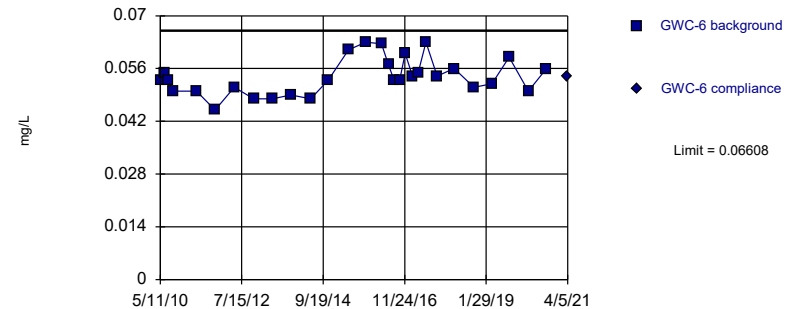


Background Data Summary (based on square root transformation): Mean=0.1968, Std. Dev.=0.06373, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9165, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

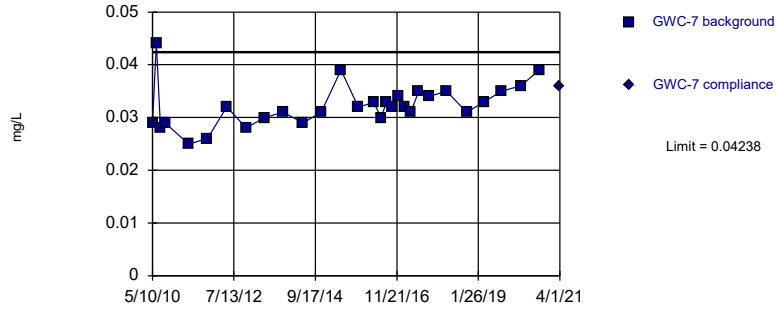


Background Data Summary: Mean=0.05388, Std. Dev.=0.004831, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

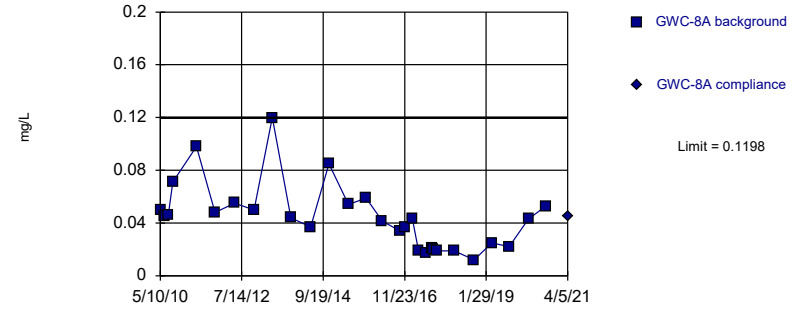


Background Data Summary: Mean=0.03227, Std. Dev.=0.004007, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

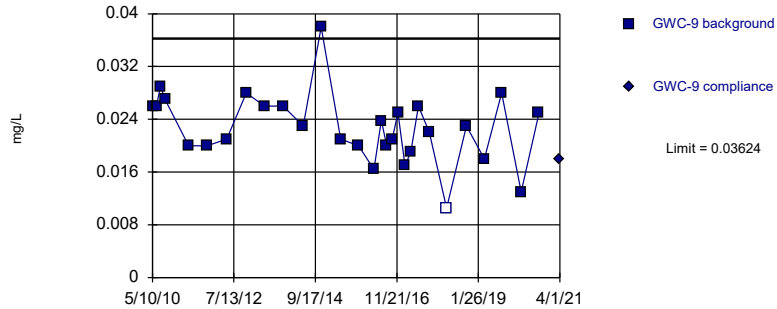


Background Data Summary (based on square root transformation): Mean=0.2032, Std. Dev.=0.05658, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

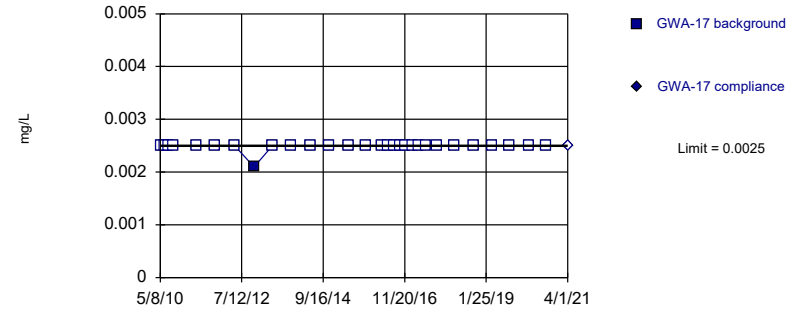


Background Data Summary: Mean=0.02271, Std. Dev.=0.005359, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.963, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

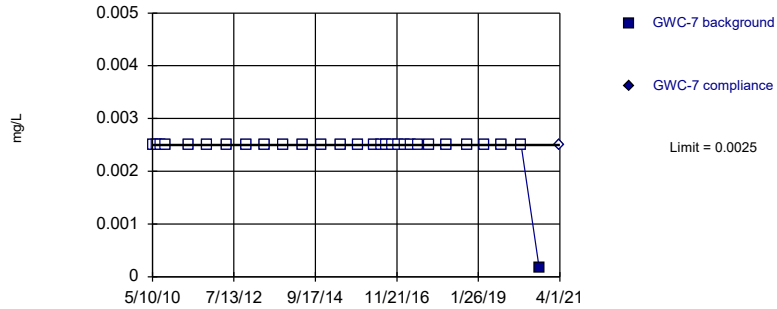


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

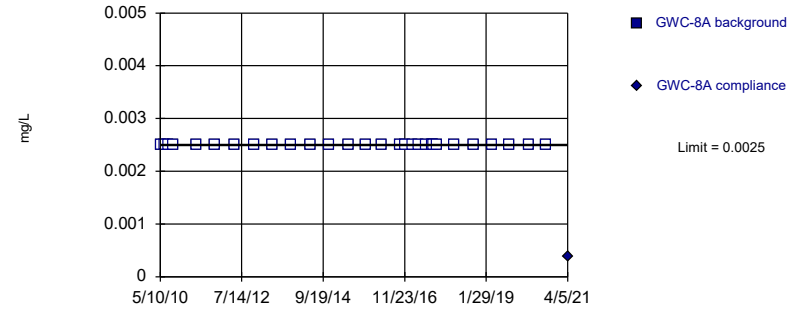


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

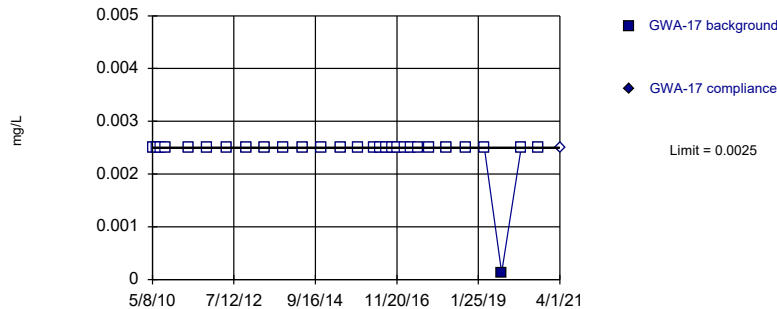


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

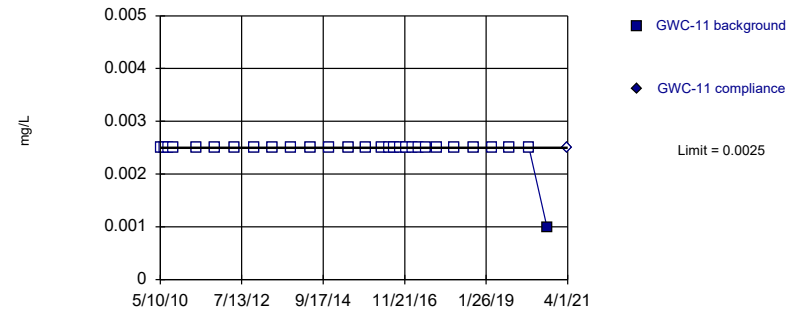


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



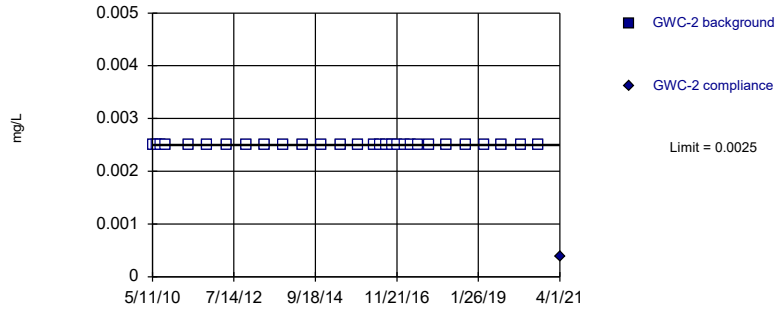
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

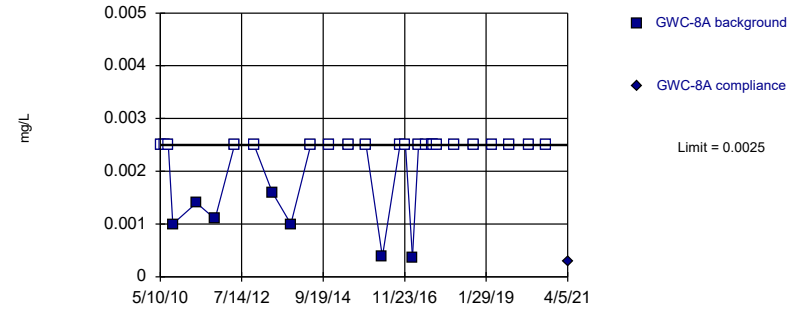


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

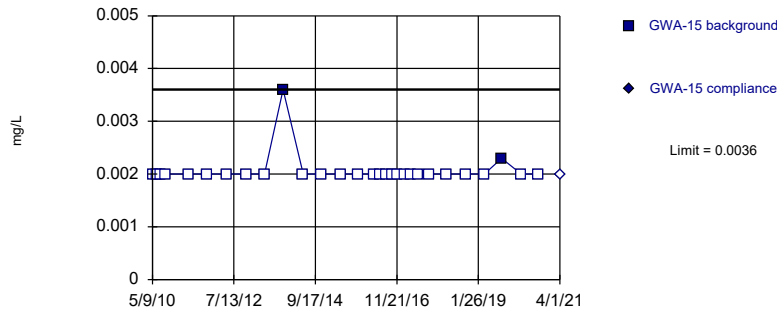


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 75.86% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

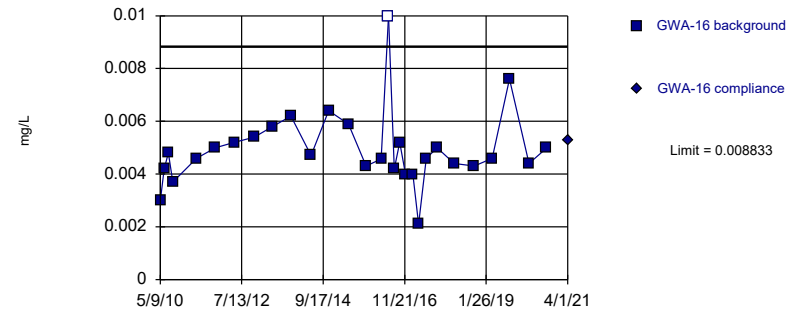


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

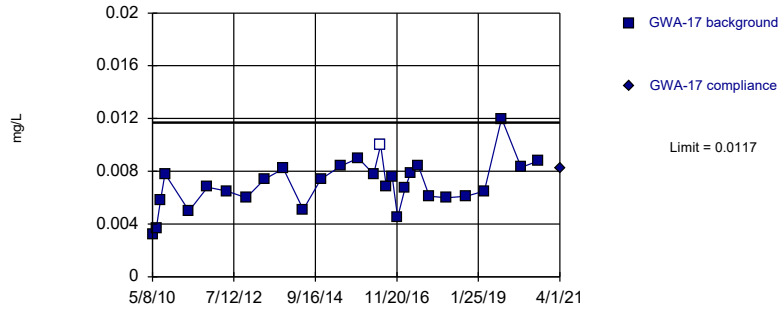


Background Data Summary (based on square root transformation): Mean=0.06962, Std. Dev.=0.009652, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

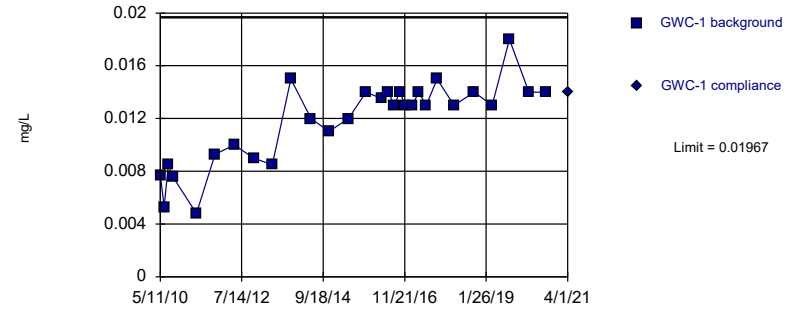


Background Data Summary: Mean=0.007027, Std. Dev.=0.001851, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9797, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

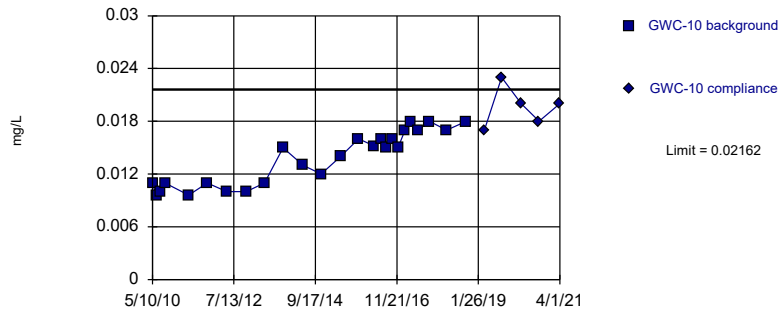


Background Data Summary: Mean=0.01183, Std. Dev.=0.003104, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9149, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

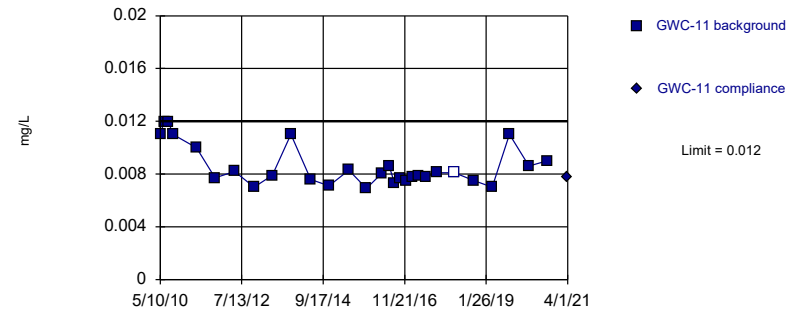


Background Data Summary: Mean=0.01381, Std. Dev.=0.003022, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8903, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

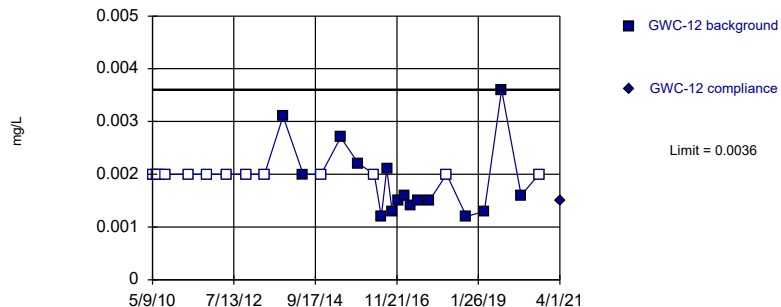


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 3.448% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

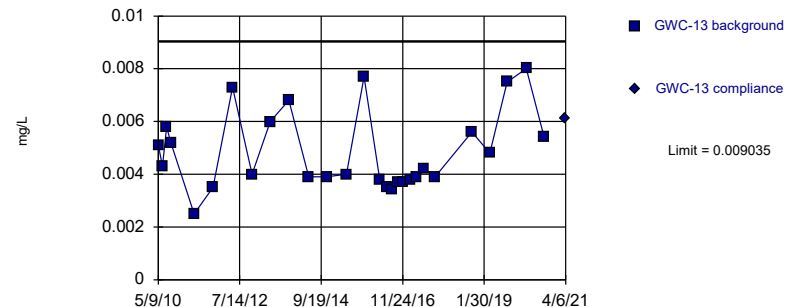


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 41.38% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

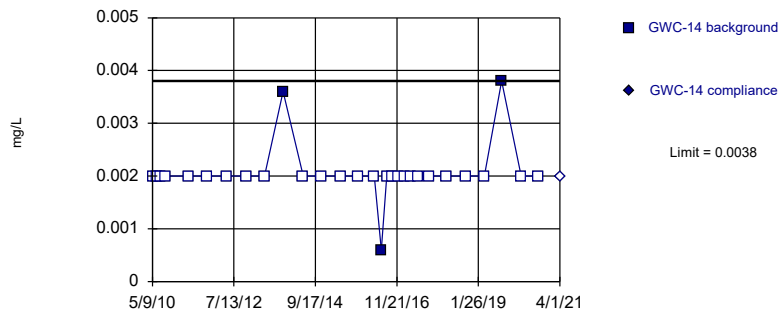


Background Data Summary (based on square root transformation): Mean=0.06874, Std. Dev.=0.01036, n=28.  
 Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9091, critical = 0.896. Kappa = 2.539 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

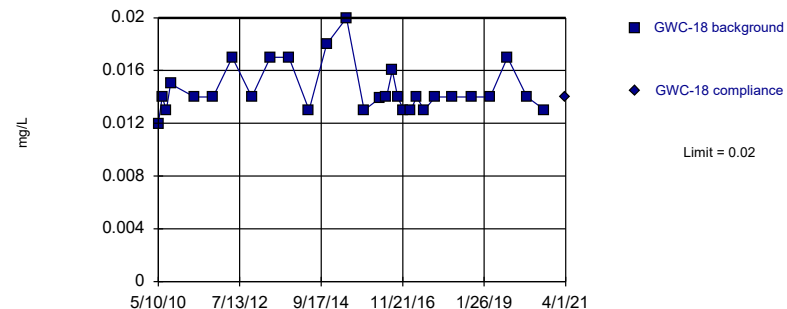


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

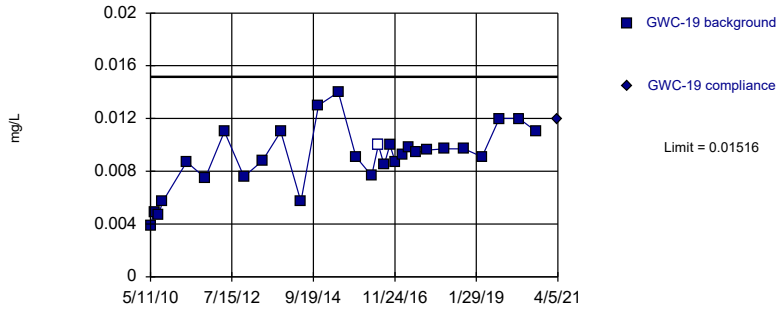


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

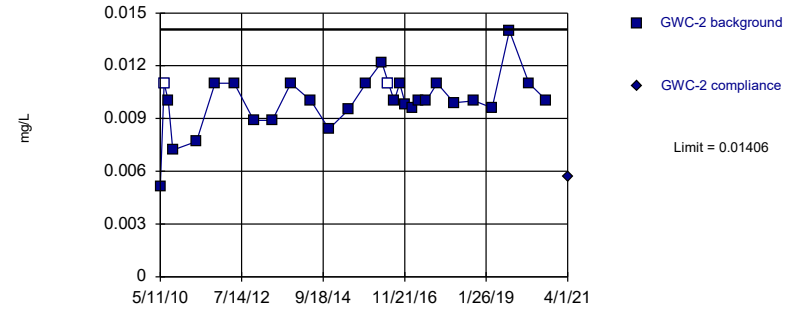


Background Data Summary: Mean=0.009037, Std. Dev.=0.002426, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9639, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

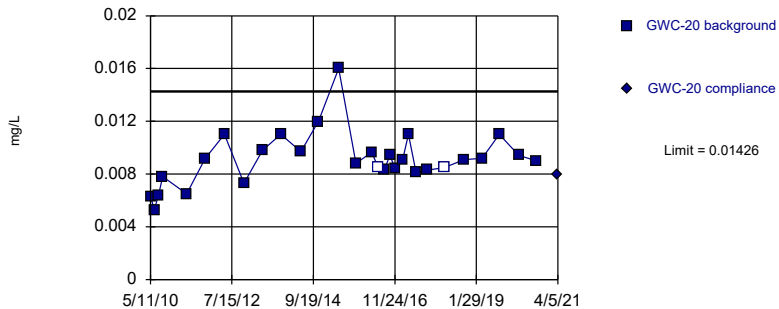


Background Data Summary: Mean=0.009993, Std. Dev.=0.00161, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9049, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

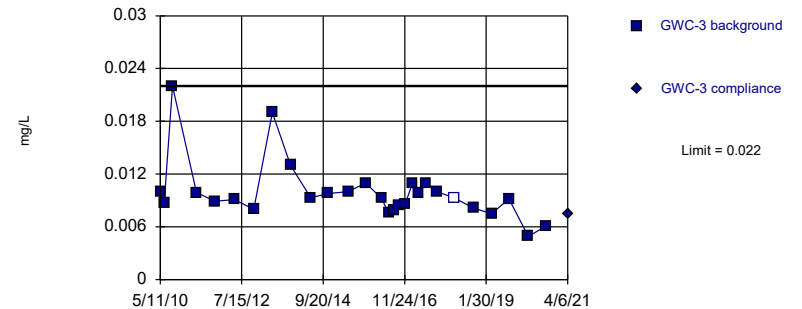


Background Data Summary: Mean=0.009105, Std. Dev.=0.002041, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

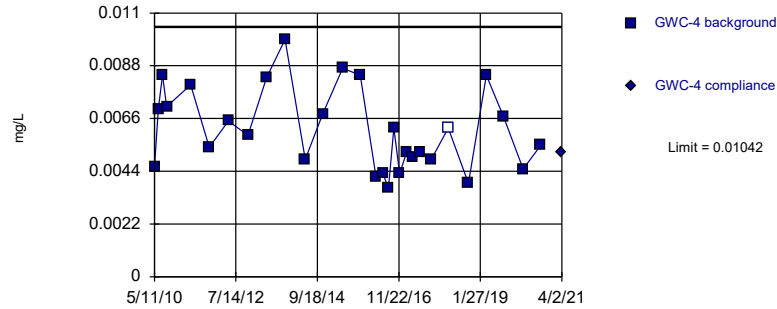


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

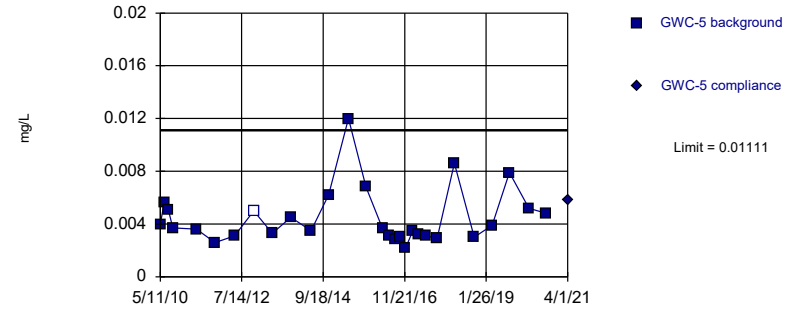


Background Data Summary: Mean=0.006141, Std. Dev.=0.001695, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

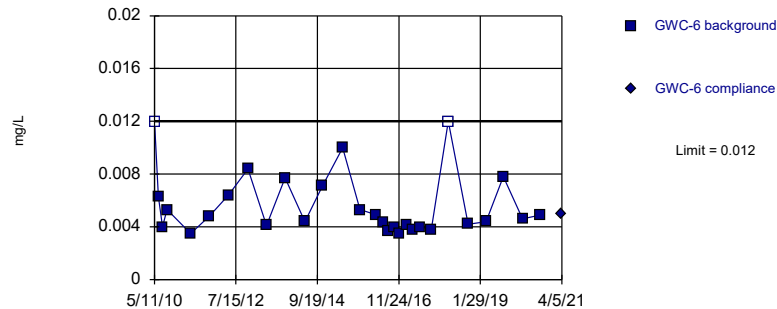


Background Data Summary (based on natural log transformation): Mean=-5.492, Std. Dev.=0.393, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9296, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

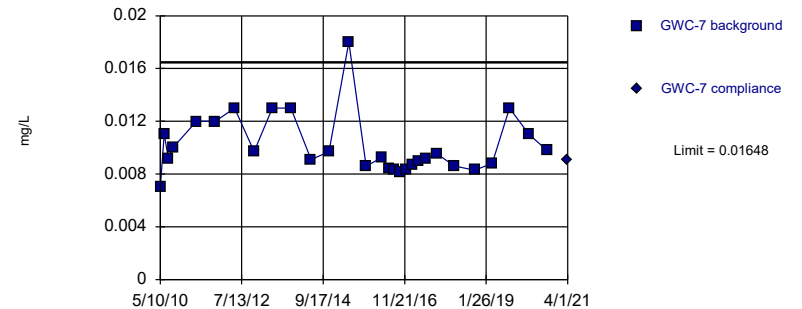


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 6.897% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

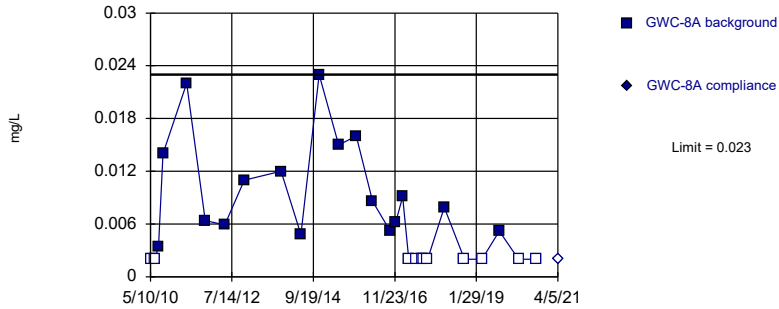


Background Data Summary (based on natural log transformation): Mean=-4.614, Std. Dev.=0.2014, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9093, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

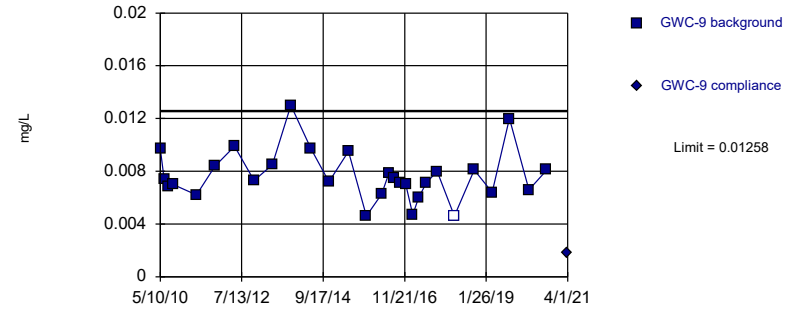


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 39.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

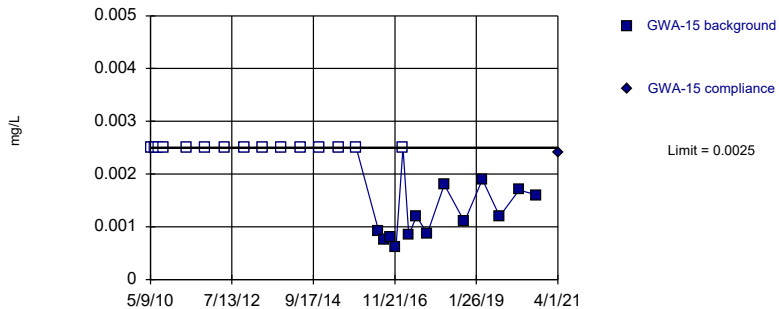


Background Data Summary: Mean=0.007675, Std. Dev.=0.001942, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

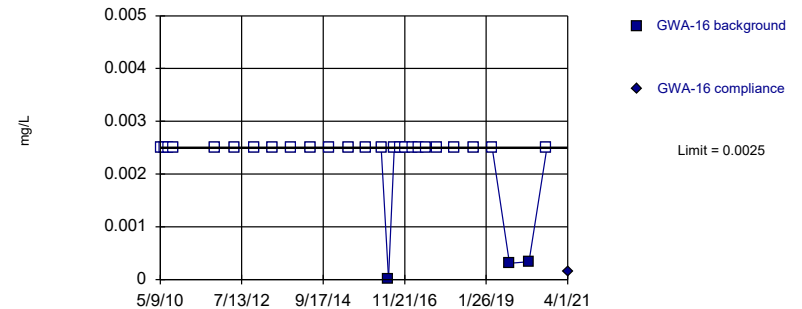


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 53.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

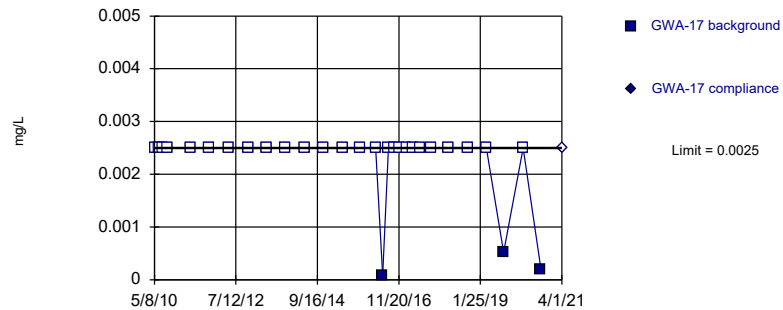


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

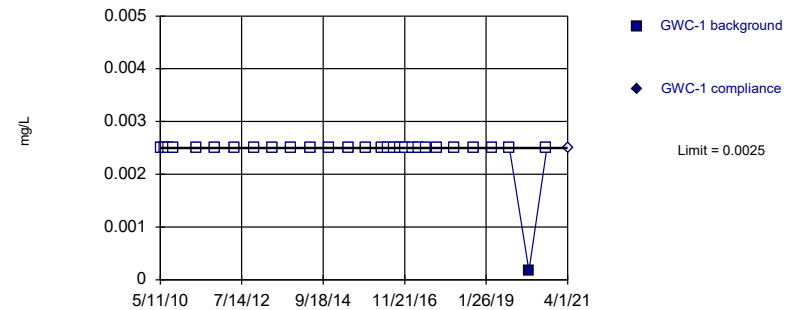


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

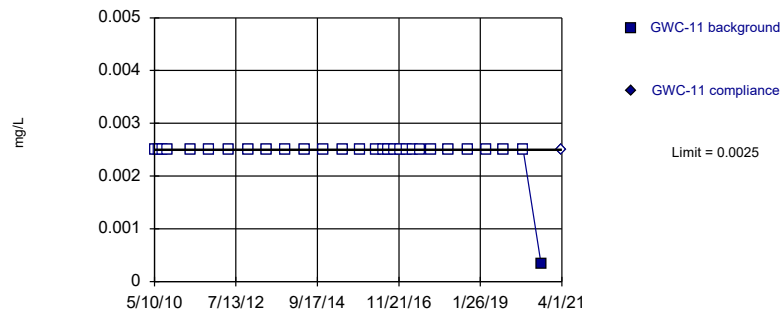


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

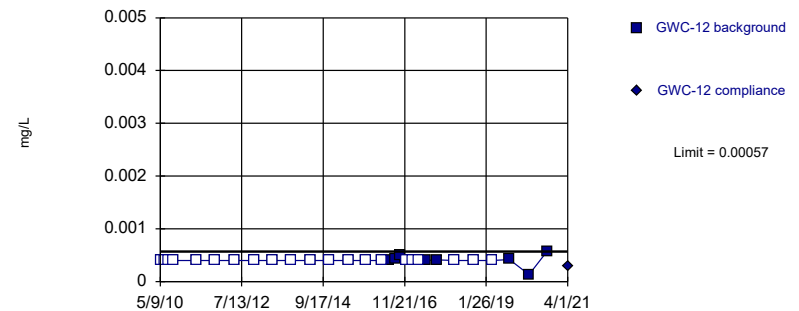


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

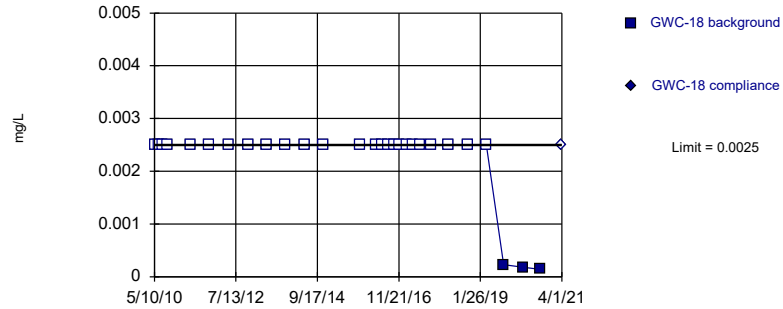


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 72.41% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

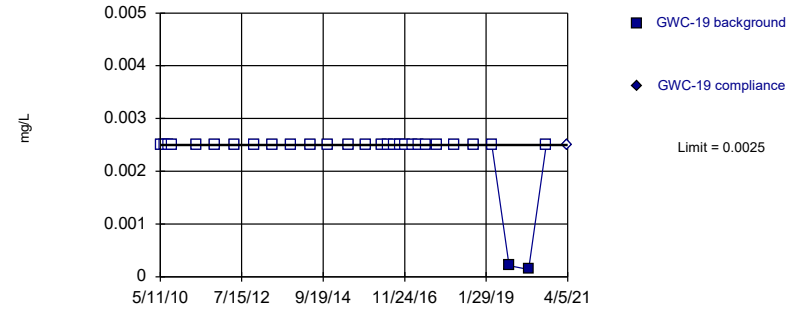


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

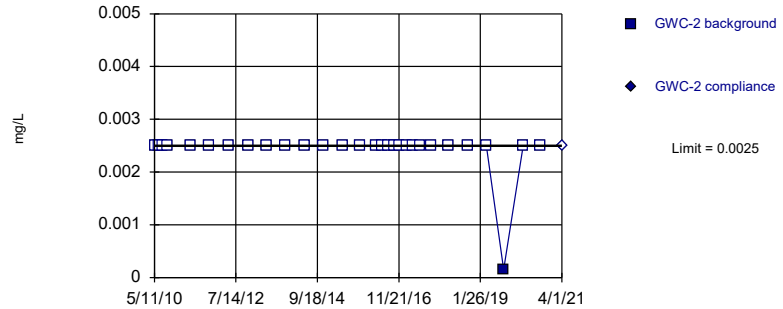


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

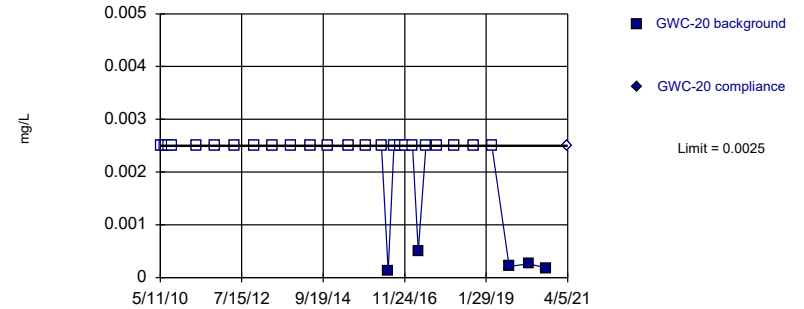


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



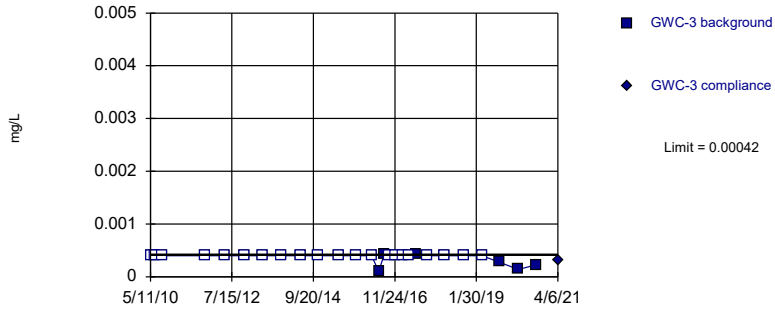
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

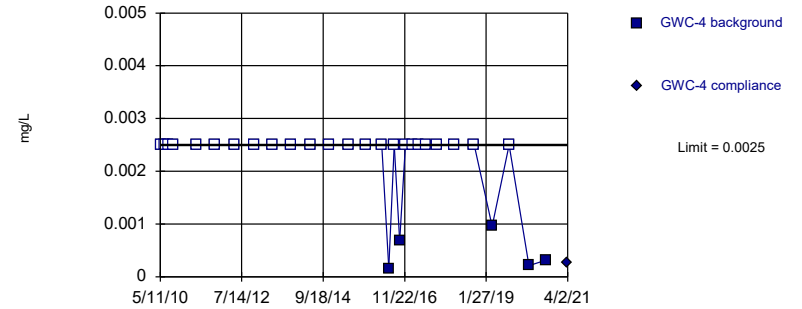


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

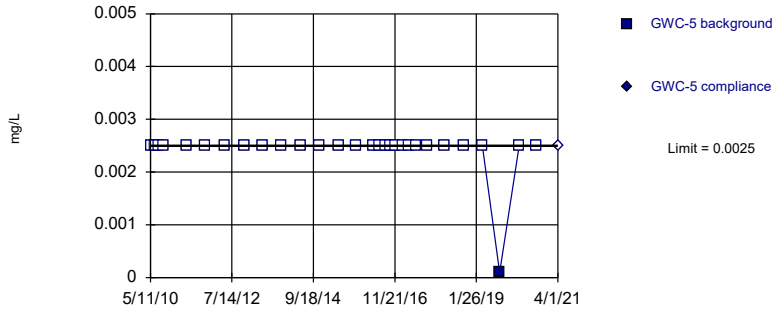


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

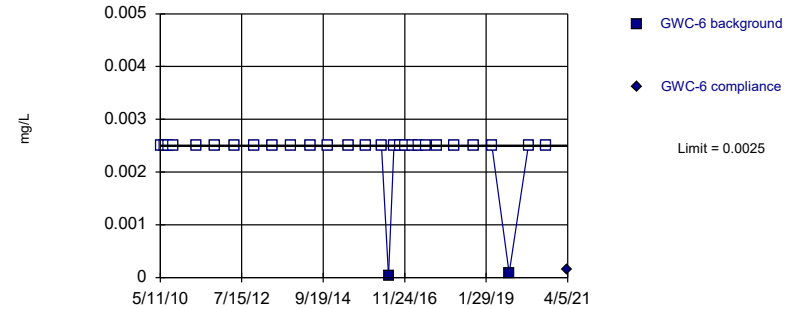


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

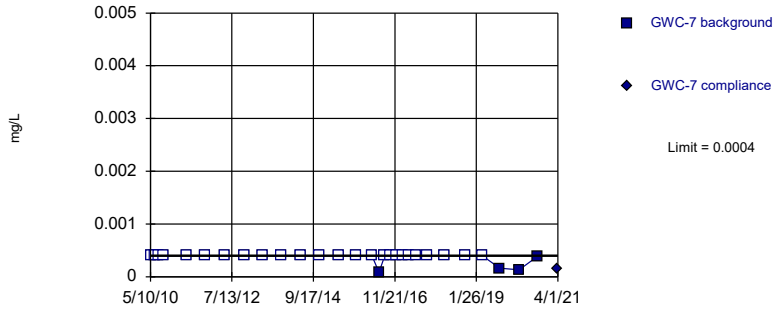


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

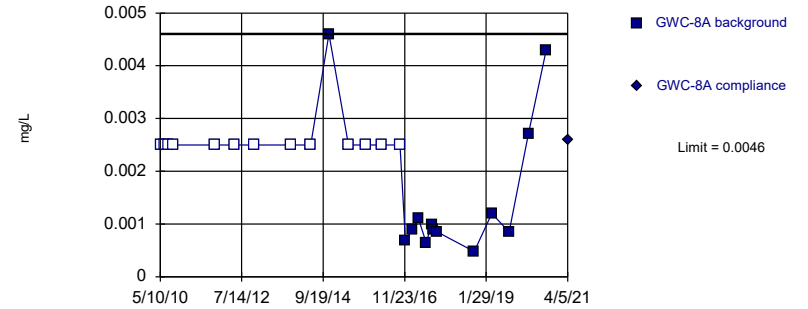


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

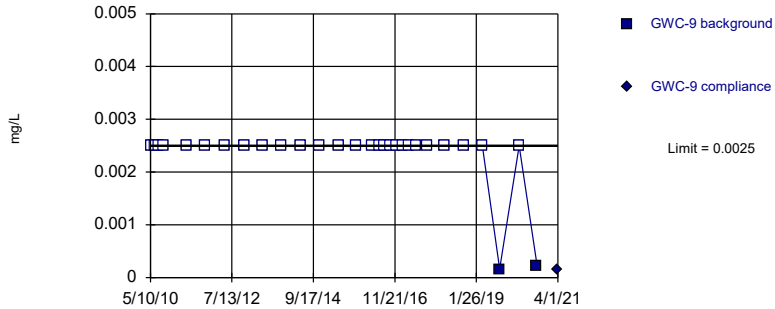


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

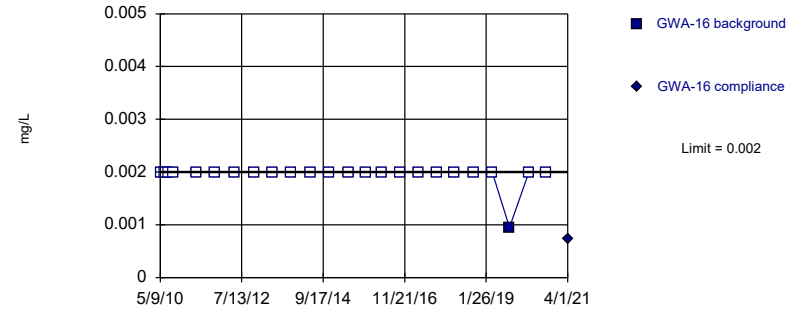


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

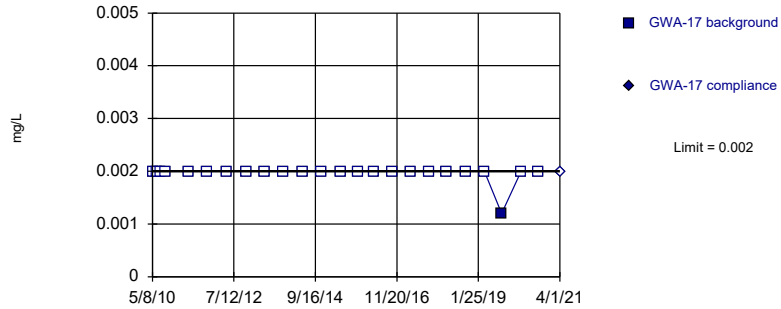


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

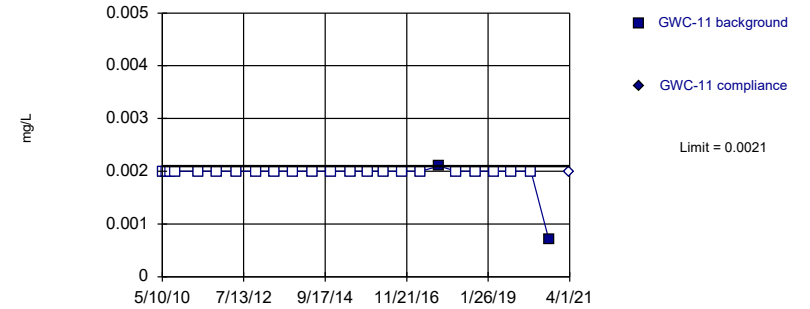


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

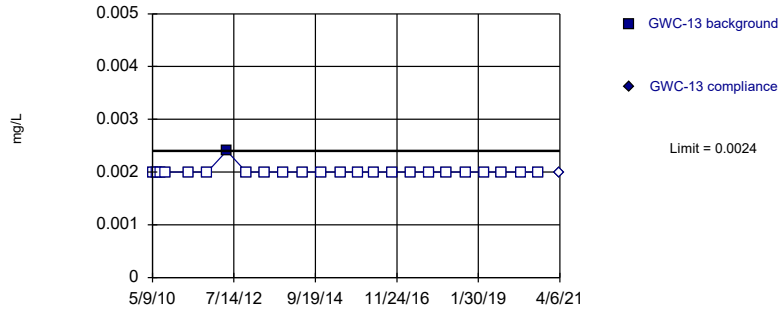


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

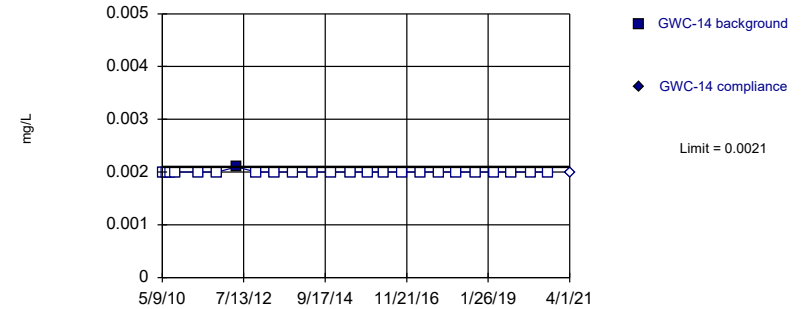


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

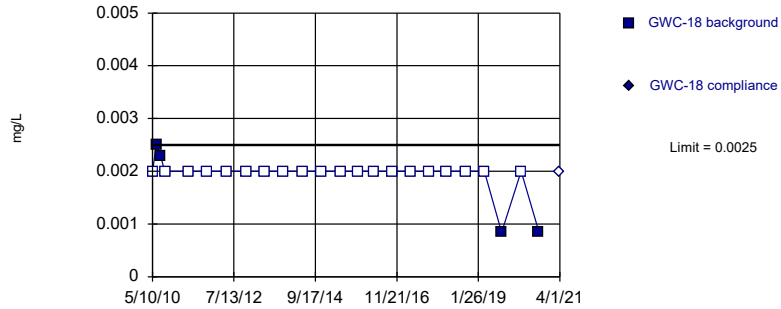


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

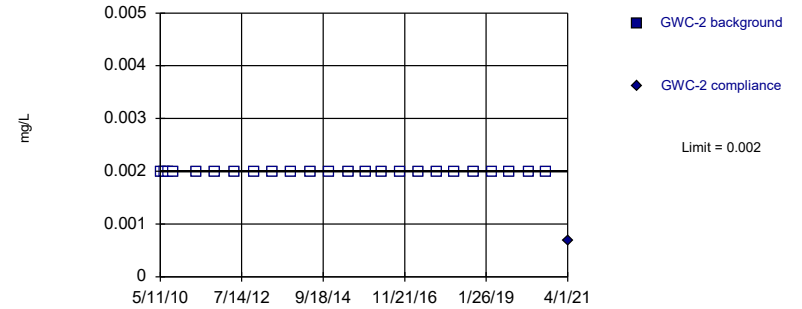


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

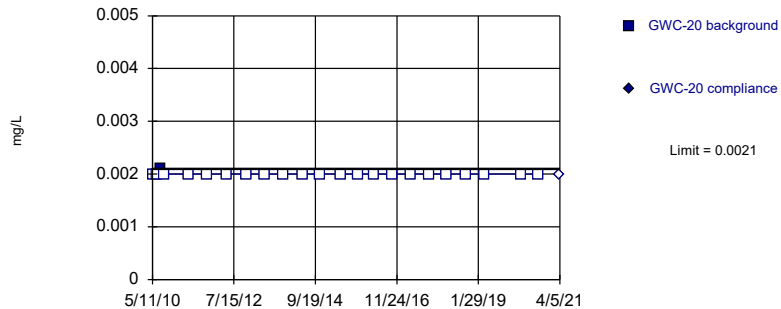


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

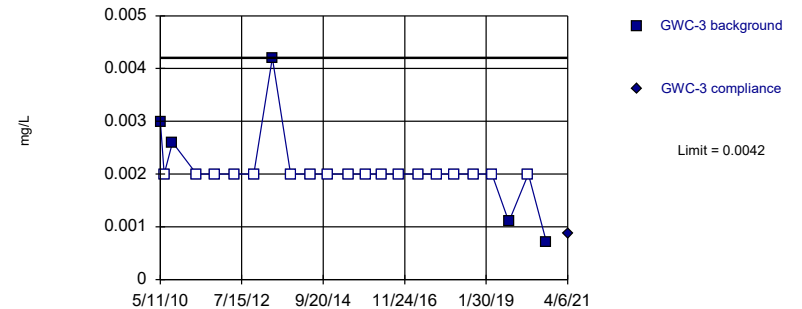


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

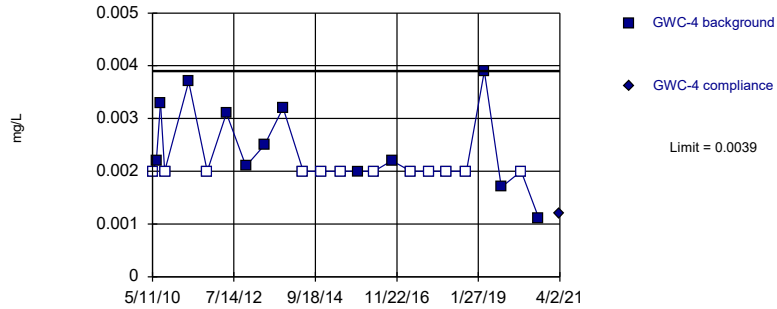


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

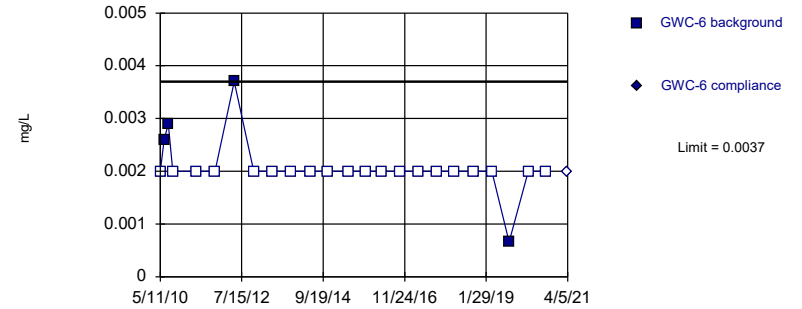


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 50% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

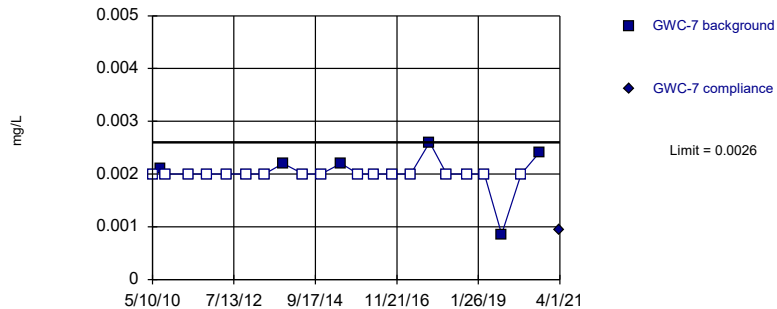


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

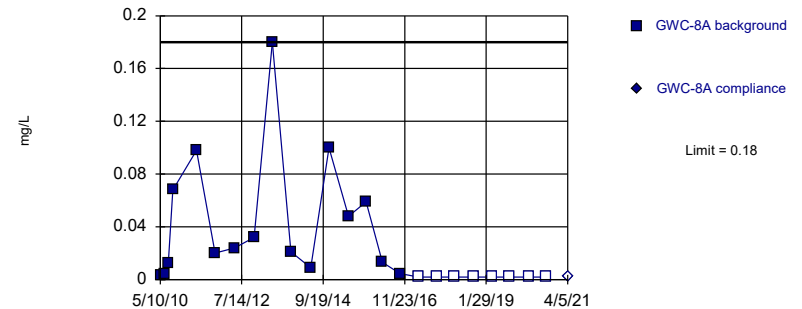


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

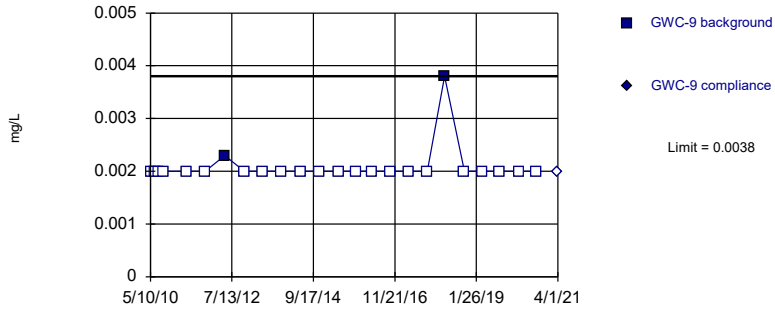


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

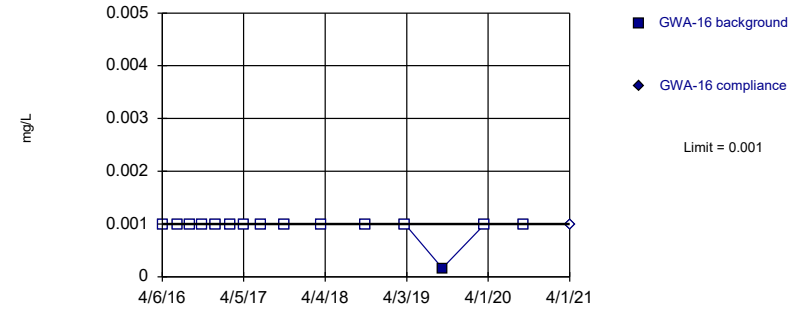


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

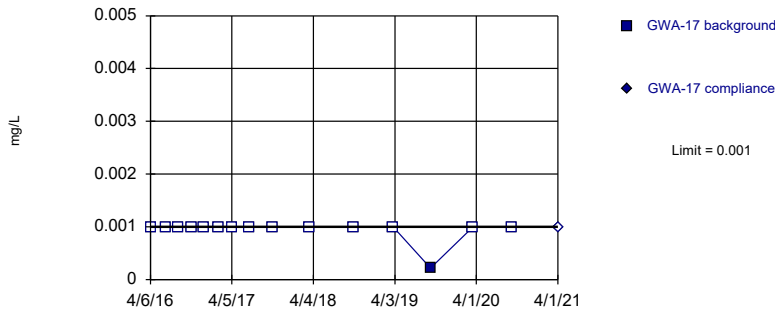


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

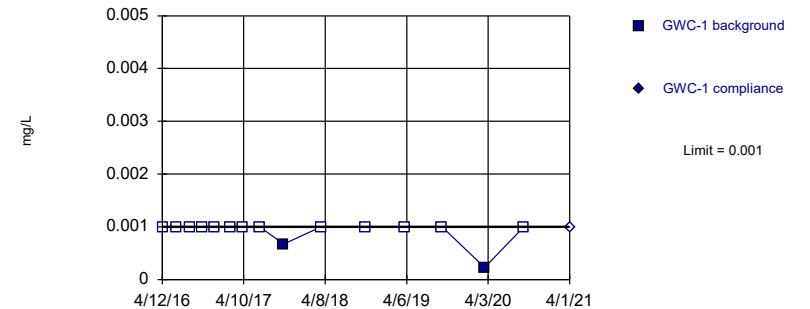


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

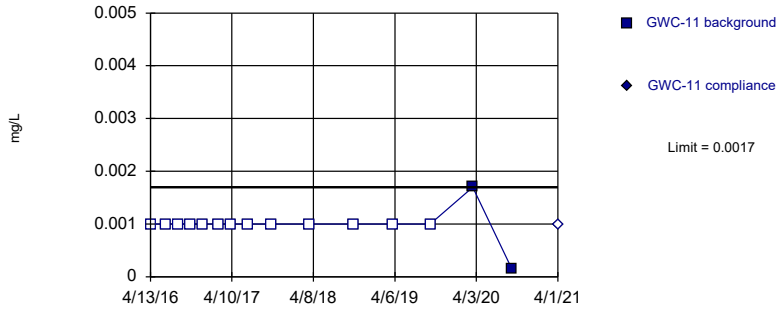


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

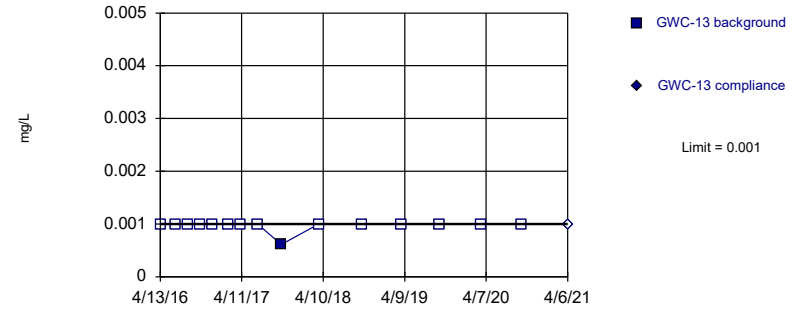


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

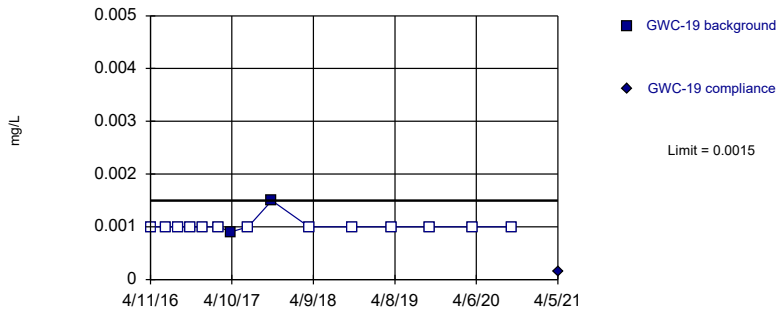


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

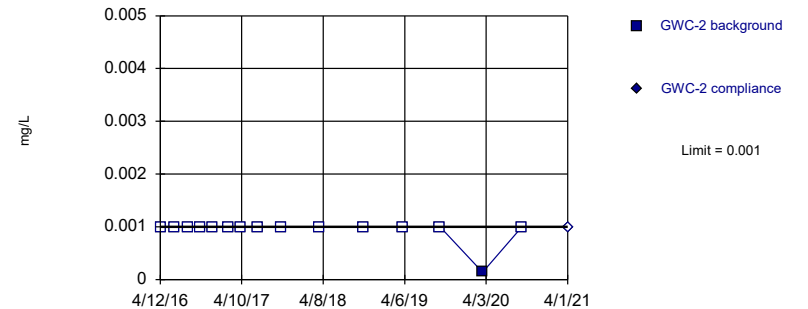


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

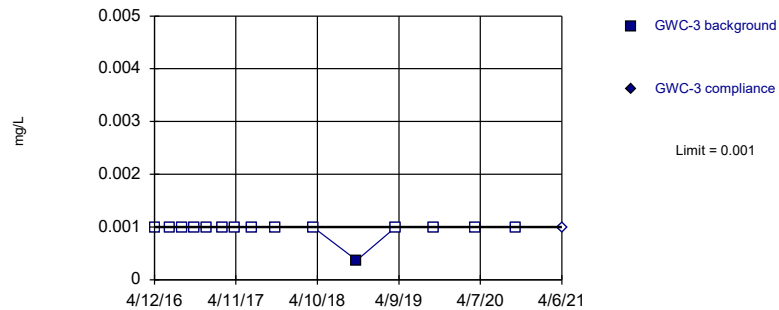


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

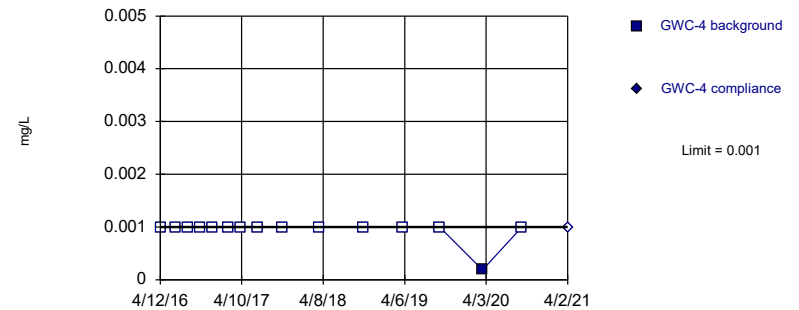


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

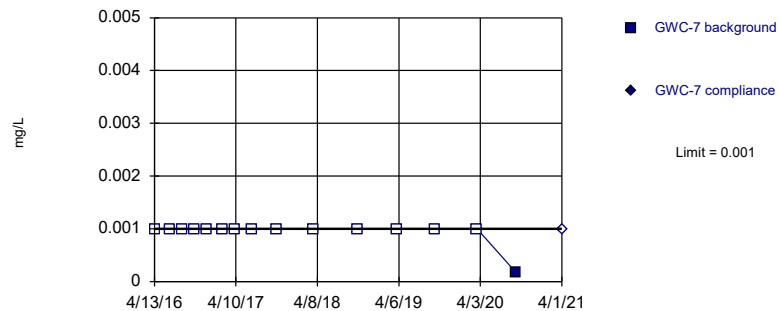


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

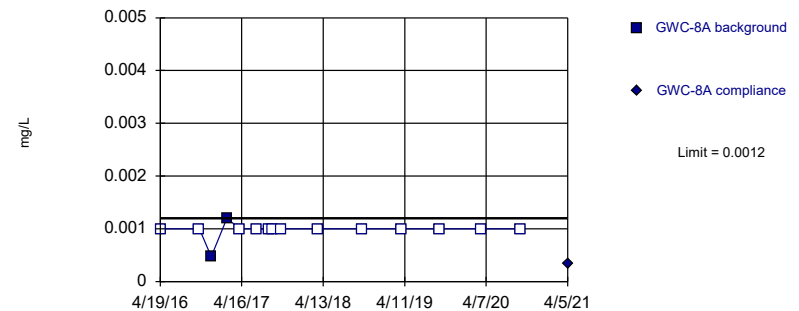


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



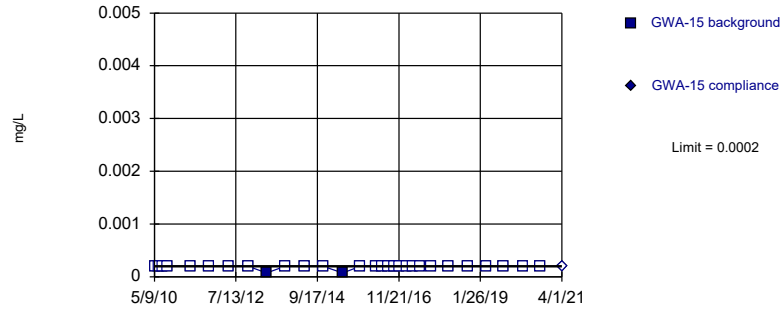
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

### Prediction Limit Intrawell Non-parametric

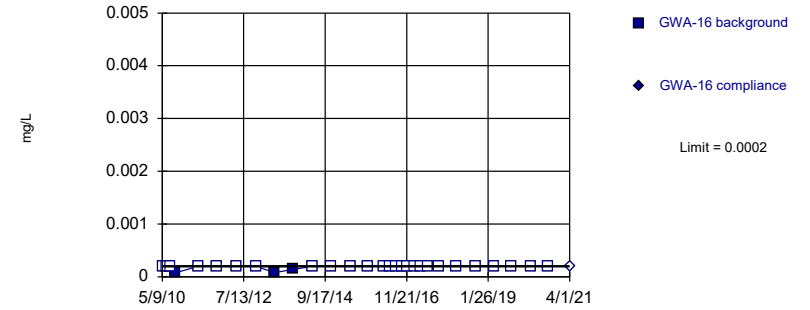


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

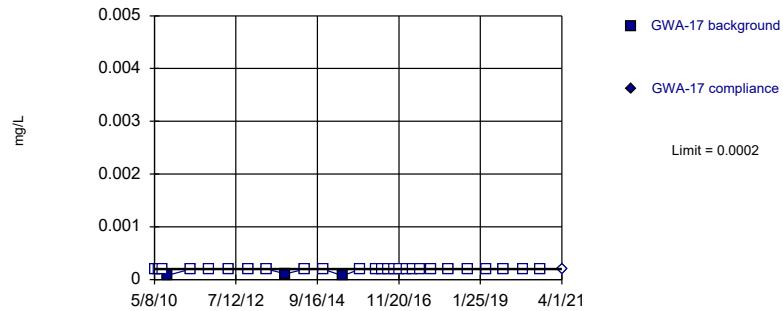


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

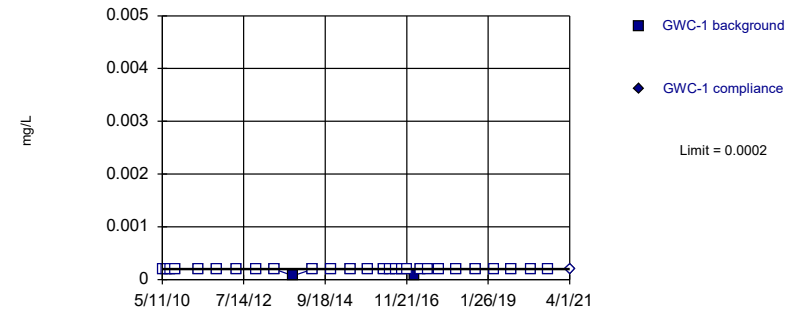


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

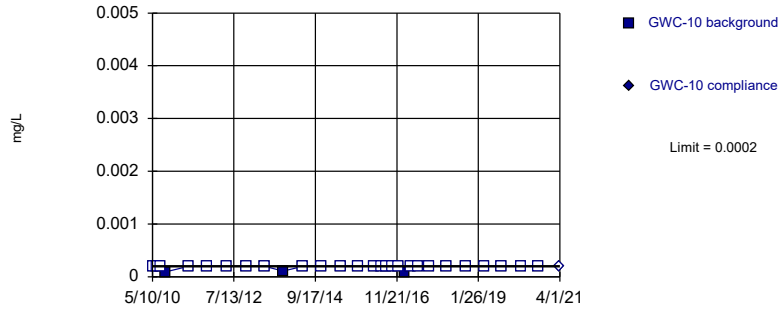


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

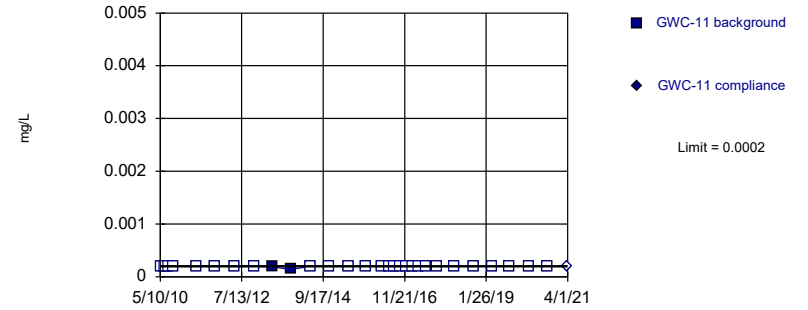


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

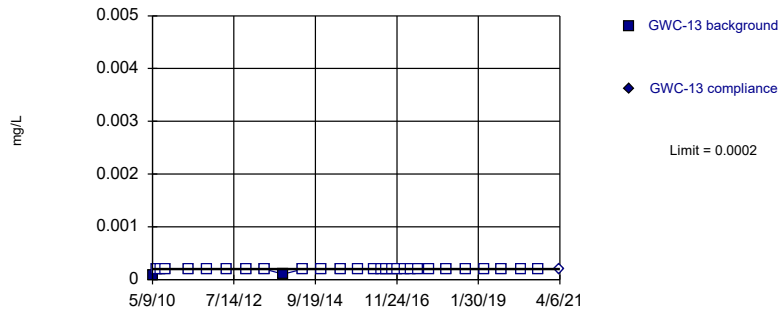


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

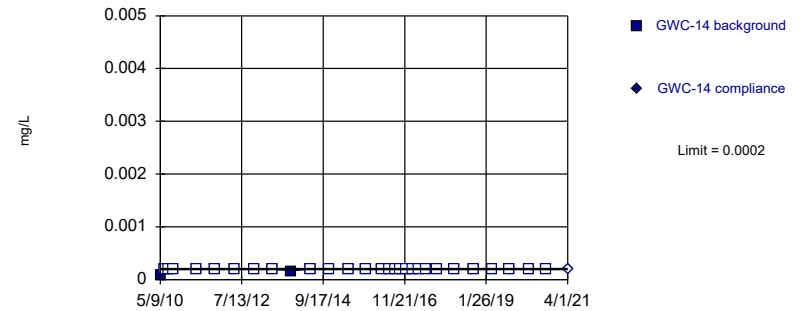


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

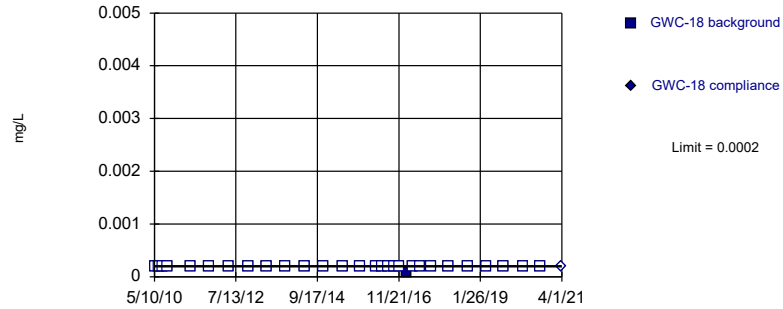


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

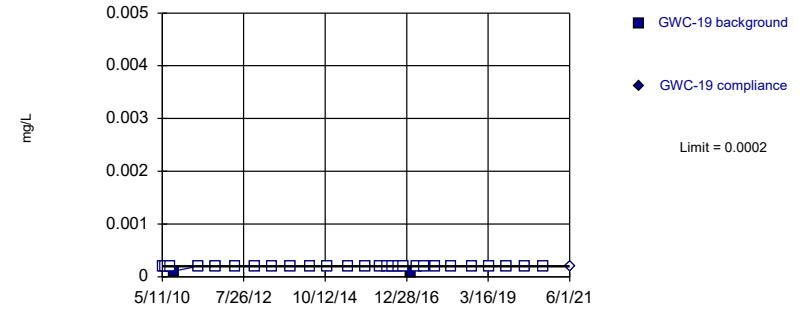


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

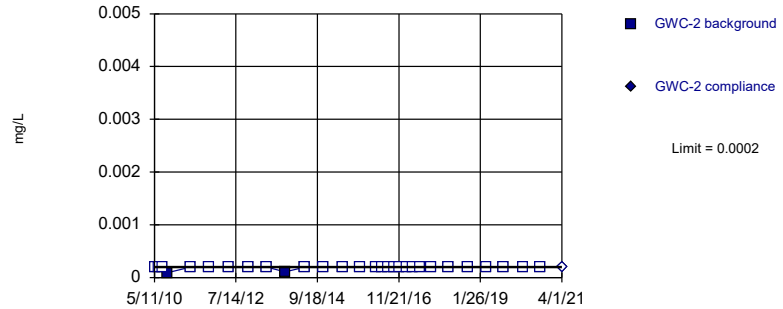


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

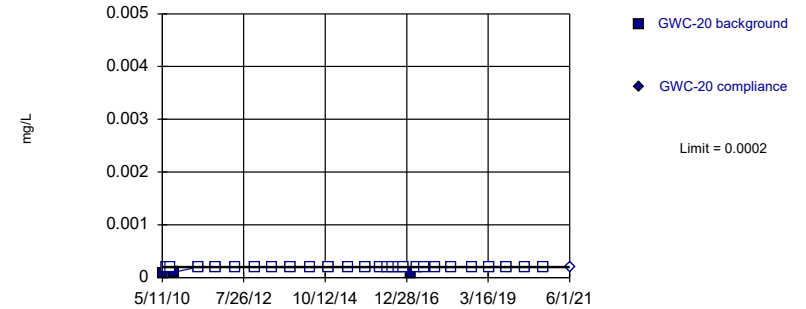


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

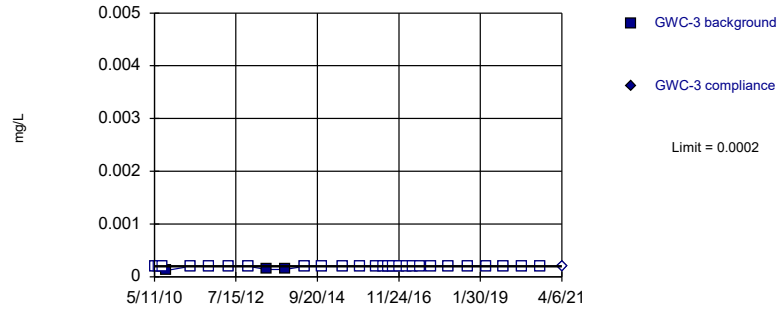


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

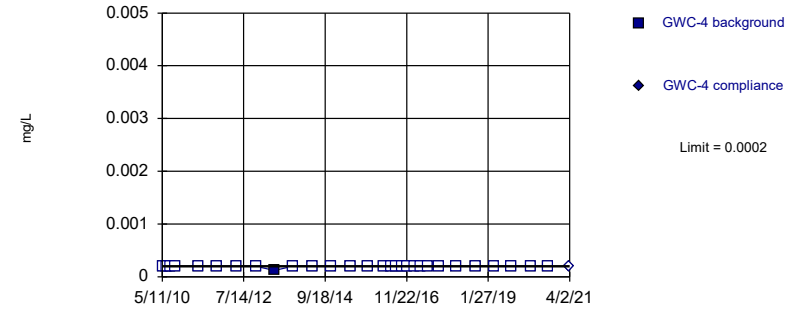


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

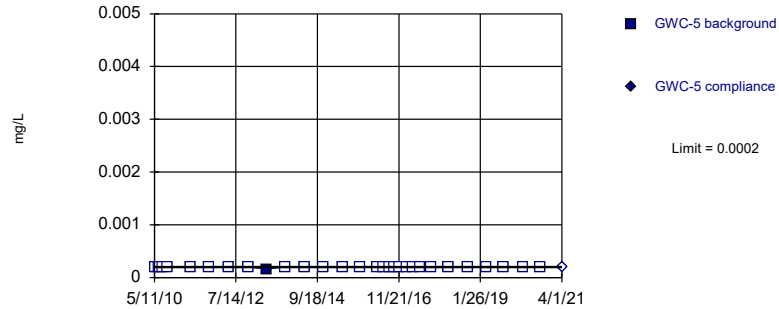


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

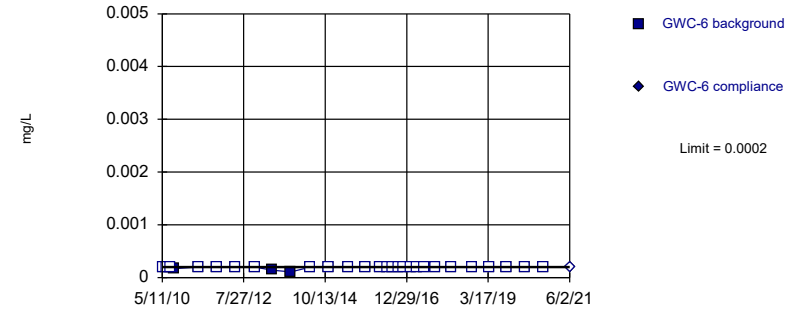


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

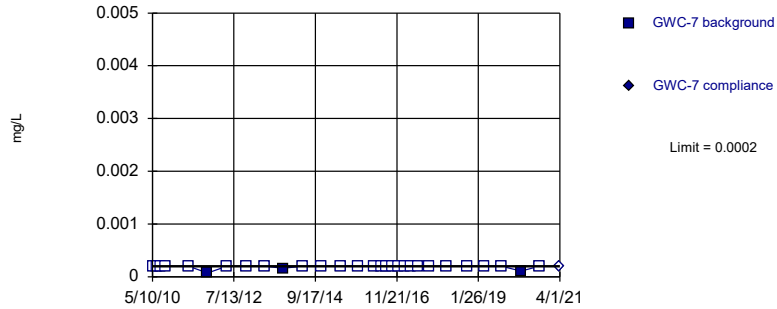


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

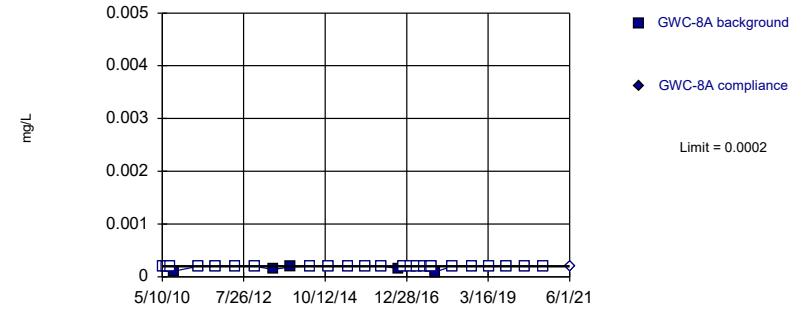


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

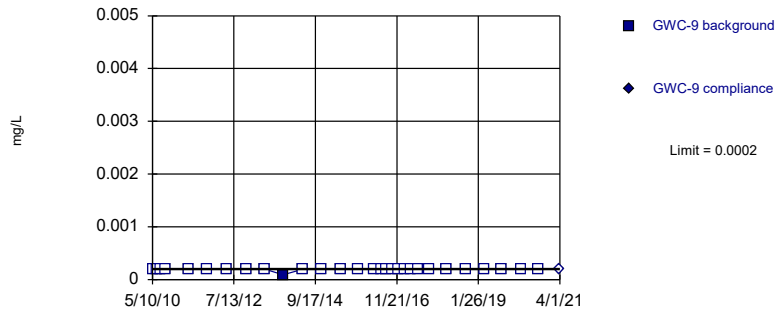


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

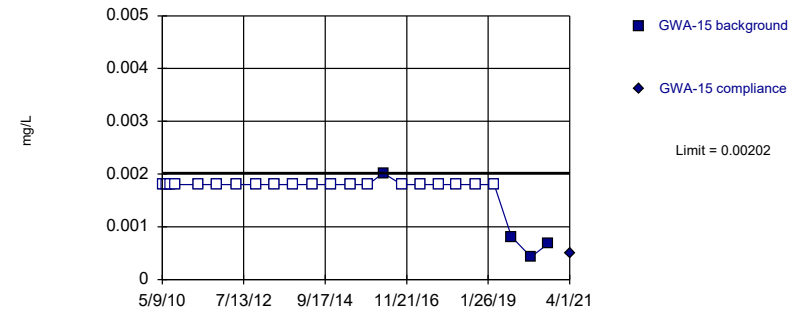


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

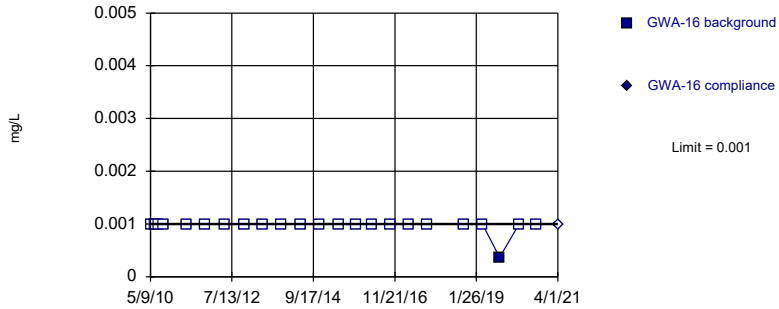


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

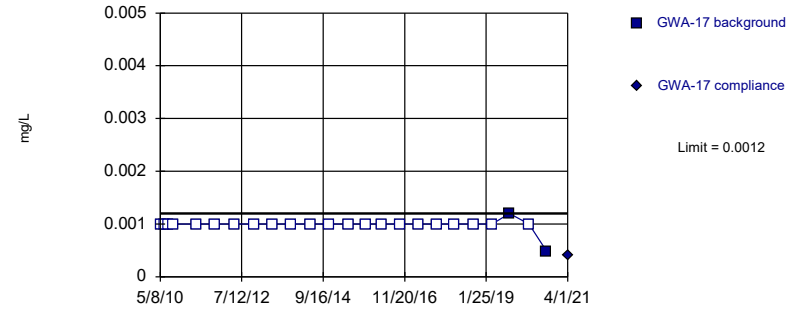


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

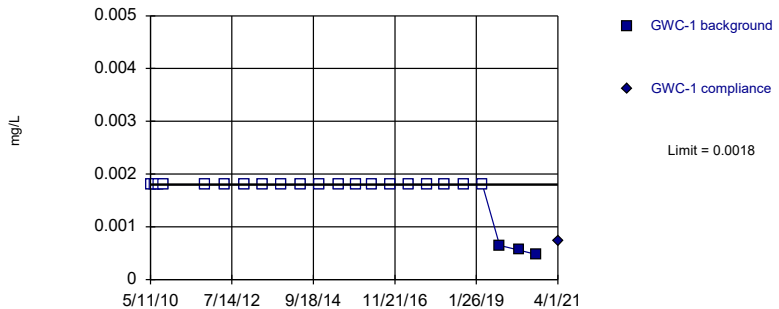


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

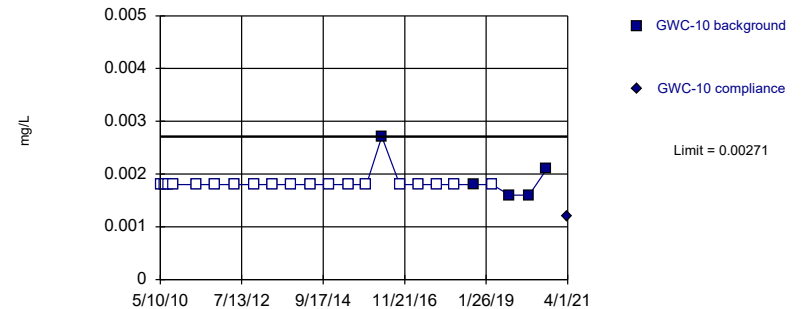


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

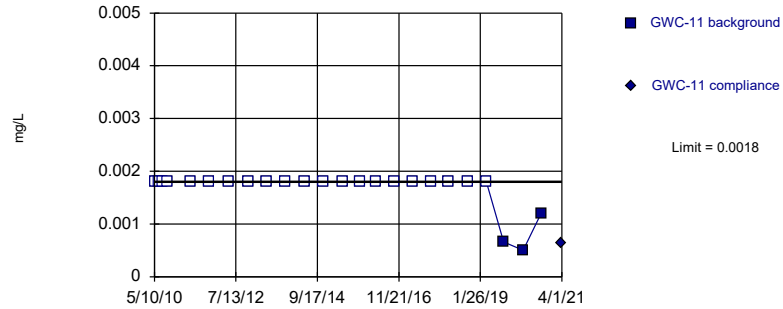


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

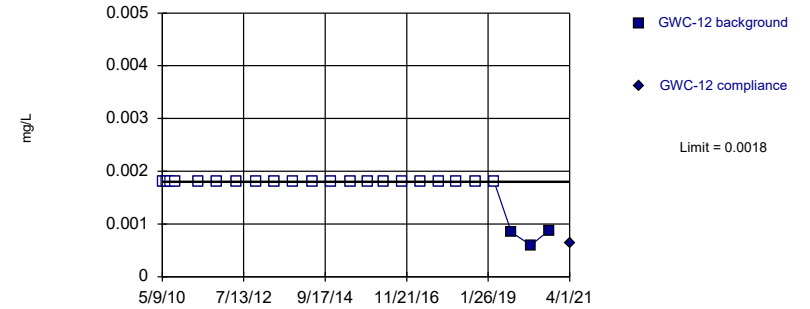


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

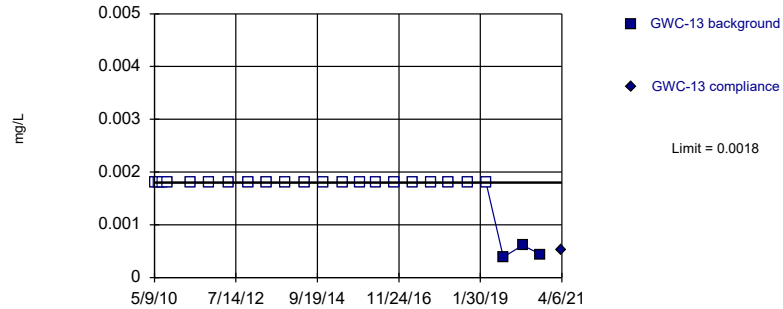


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

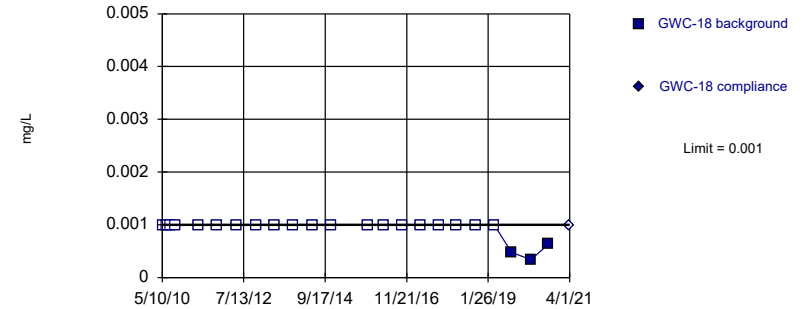


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

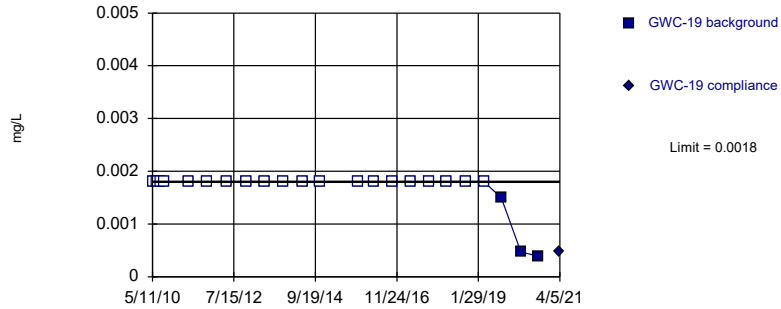


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

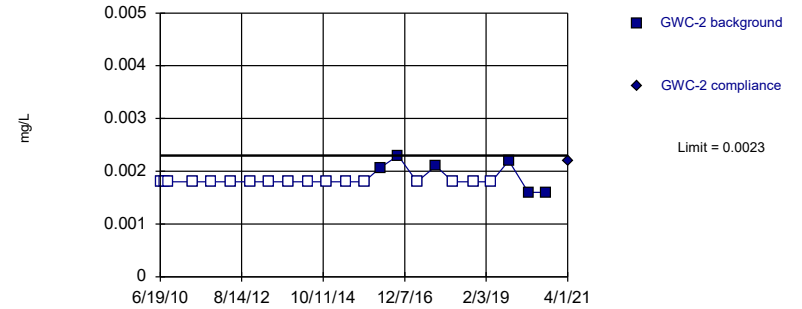


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

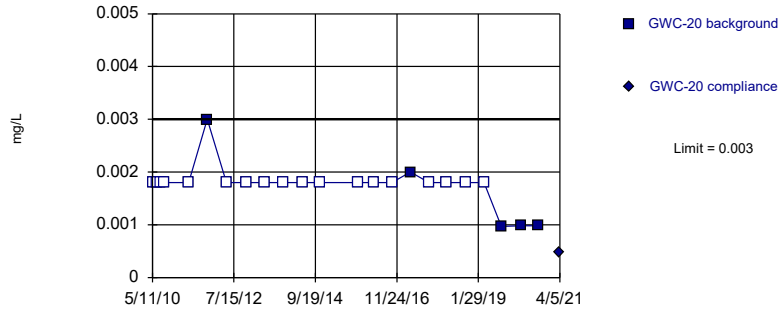


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

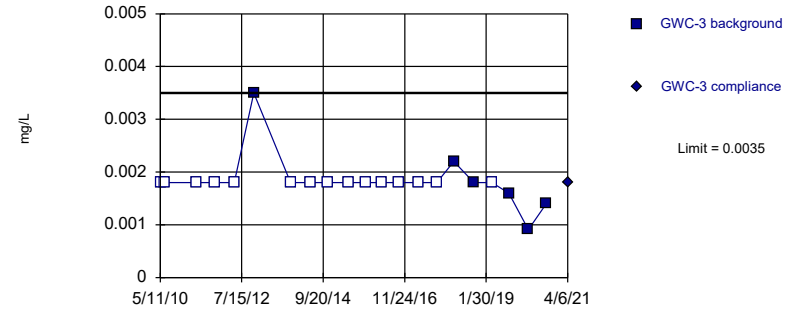


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



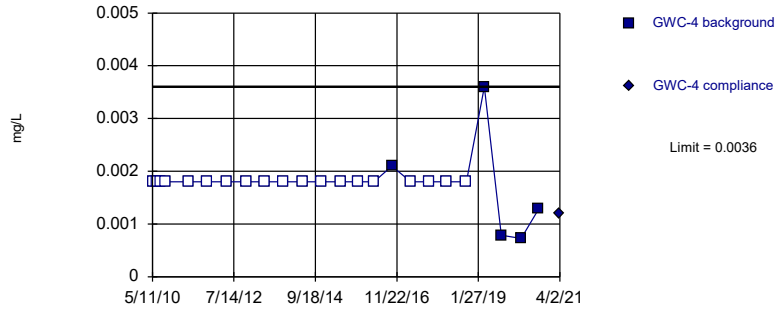
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

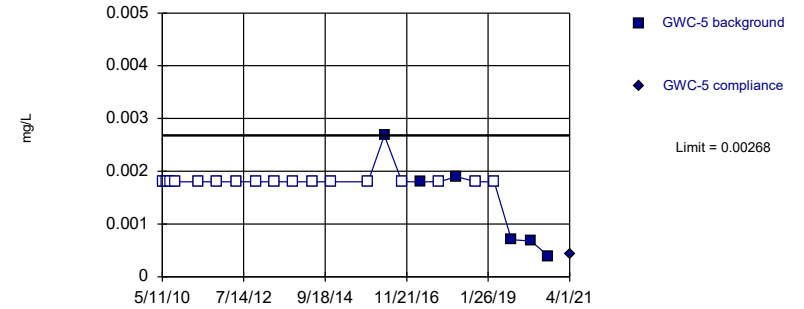


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

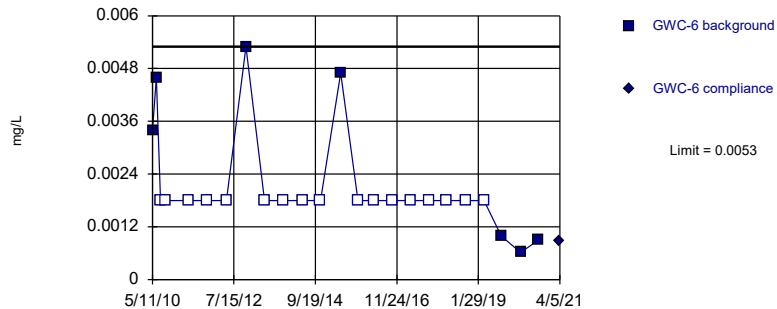


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

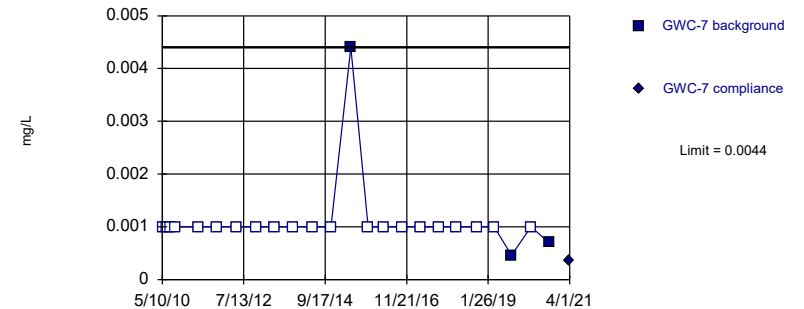


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

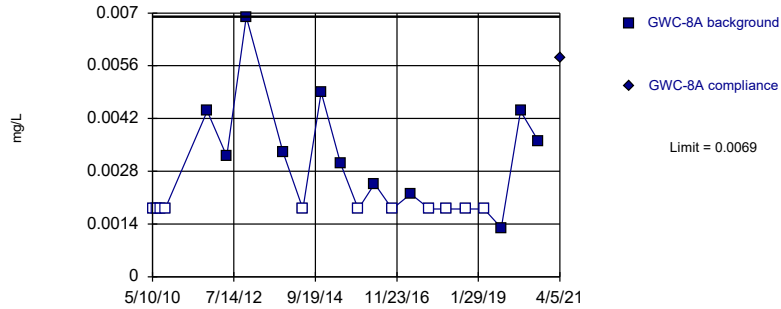


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

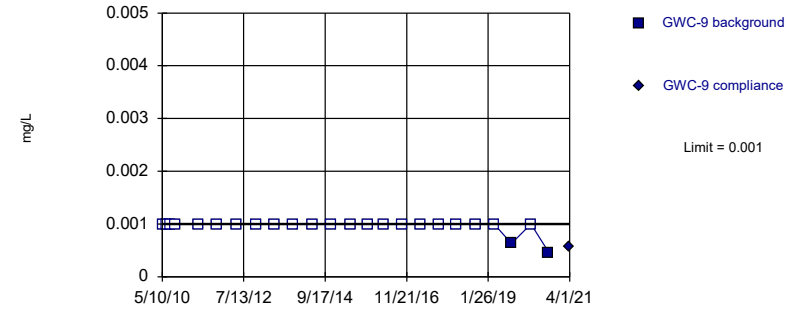


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 50% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

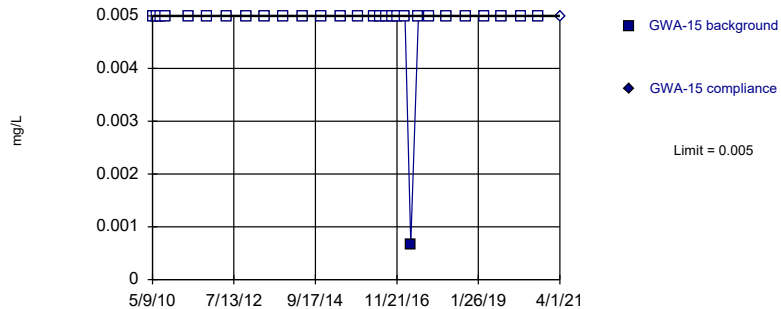


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

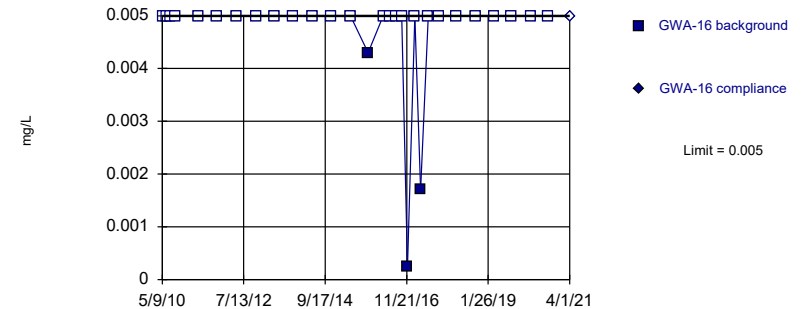


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

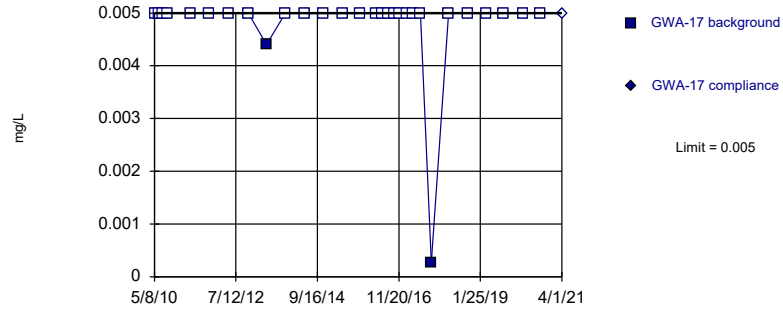


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

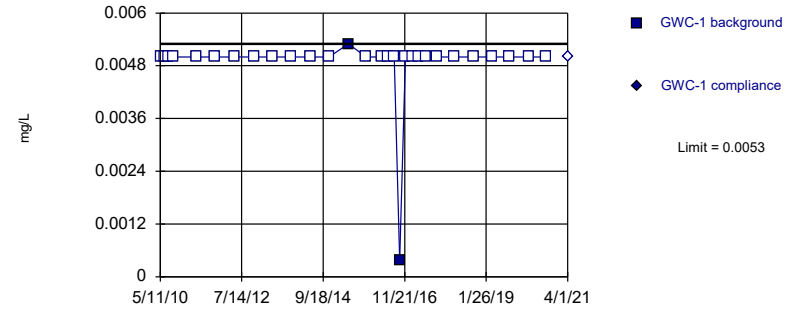


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

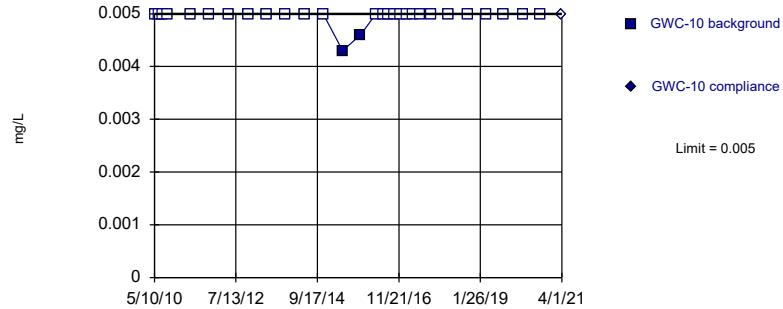


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

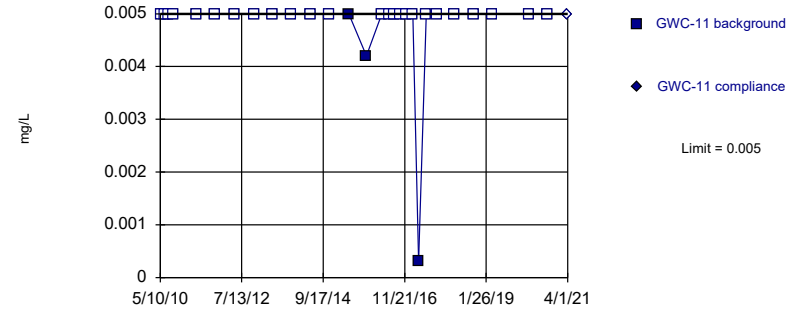


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

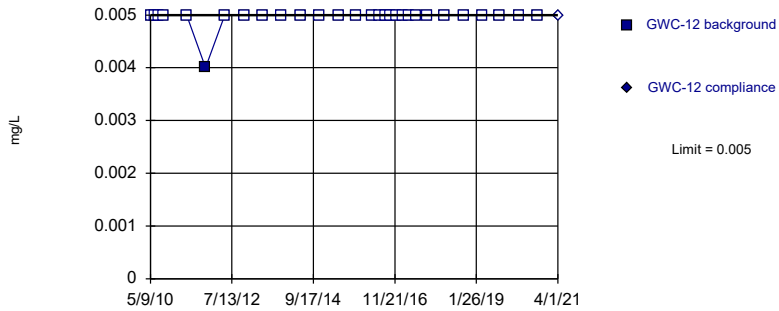


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

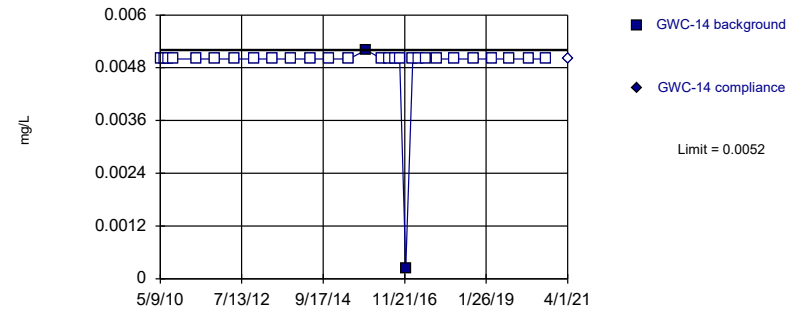


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

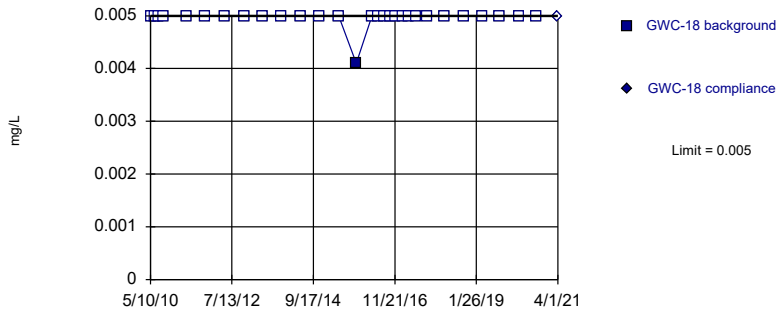


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

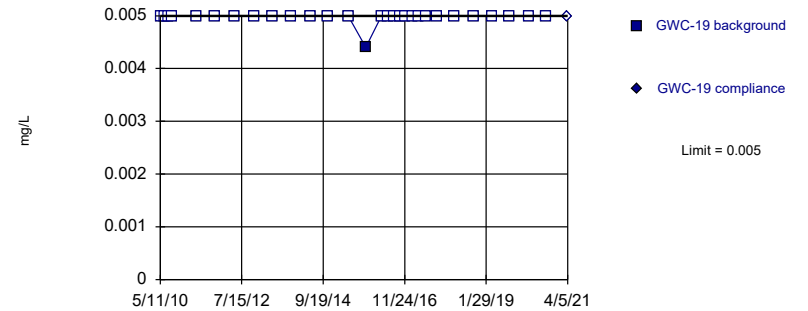


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

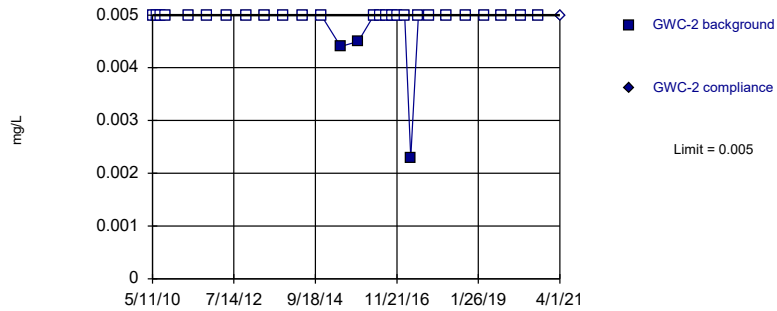


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

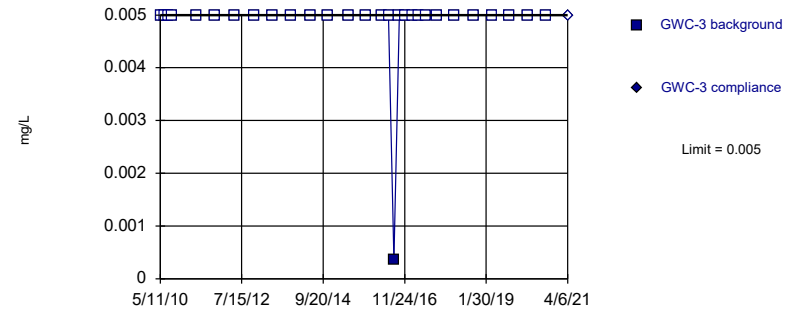


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

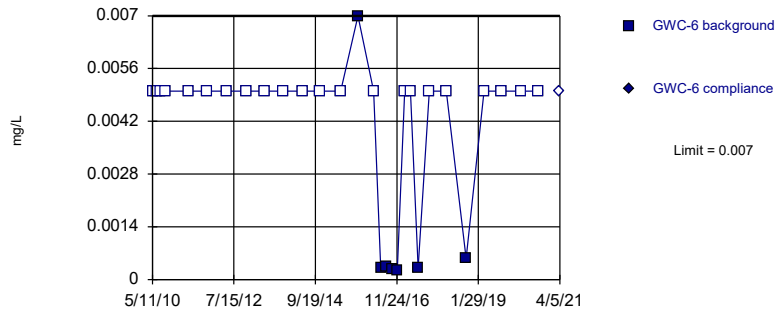


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

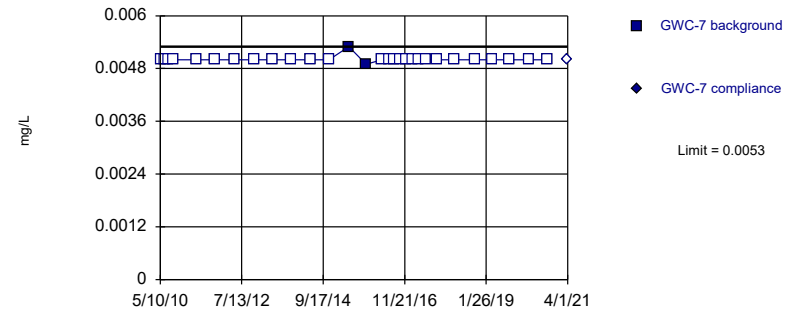


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 75.86% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

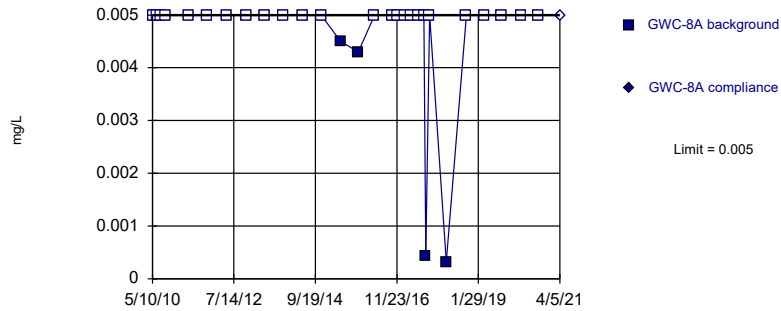


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

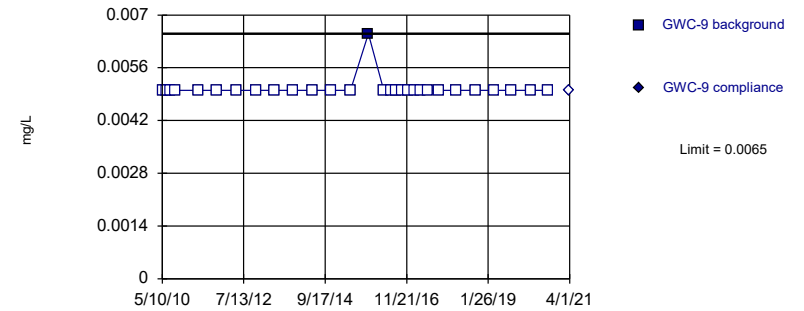


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

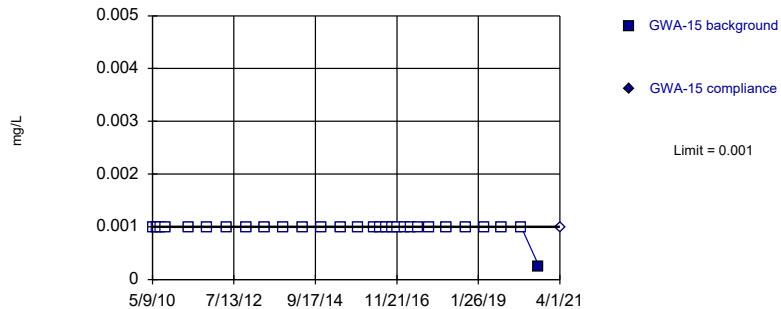


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

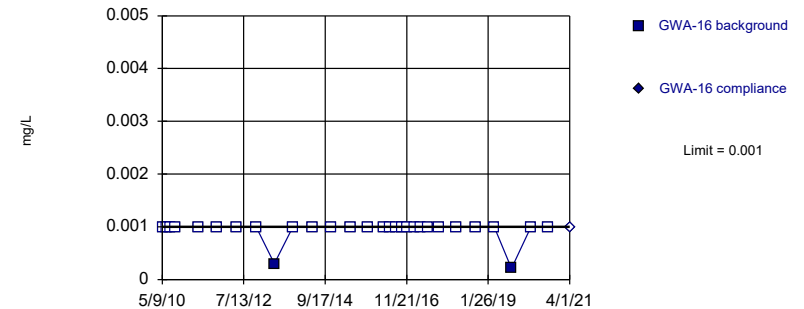


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

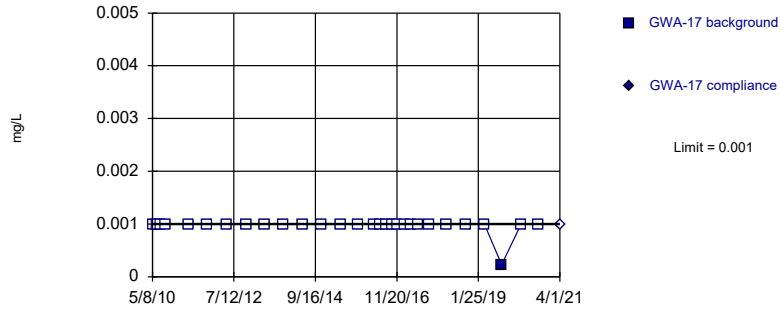


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

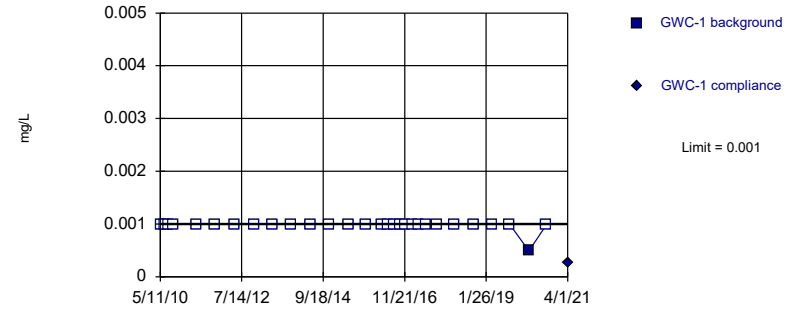


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

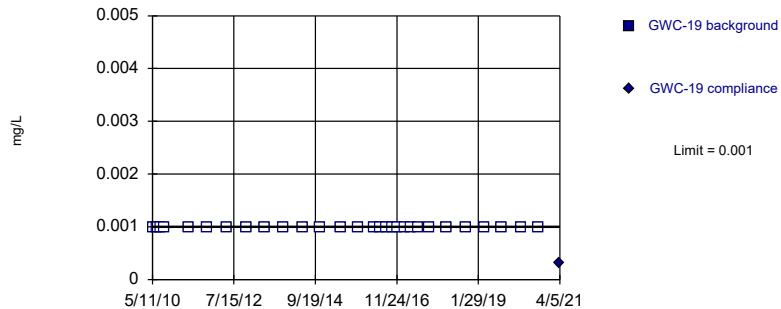


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

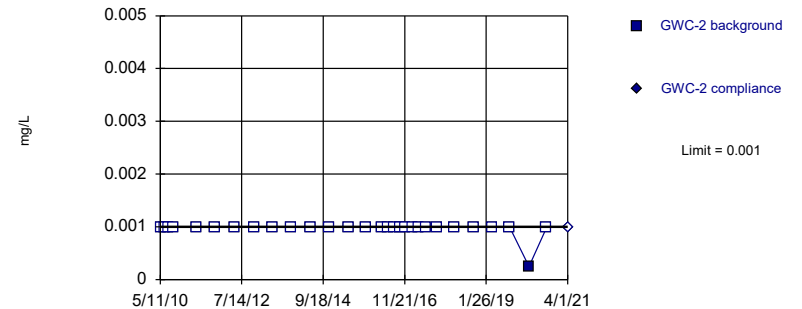


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

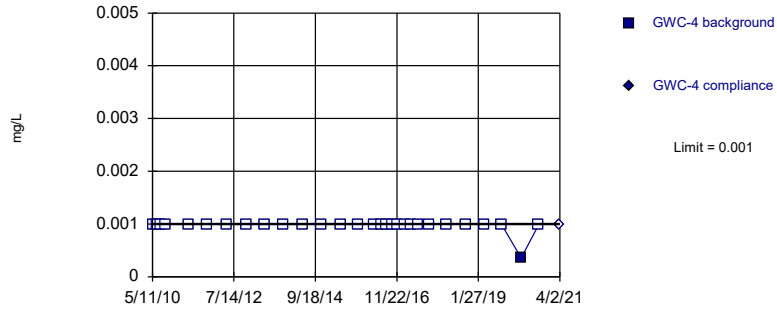


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

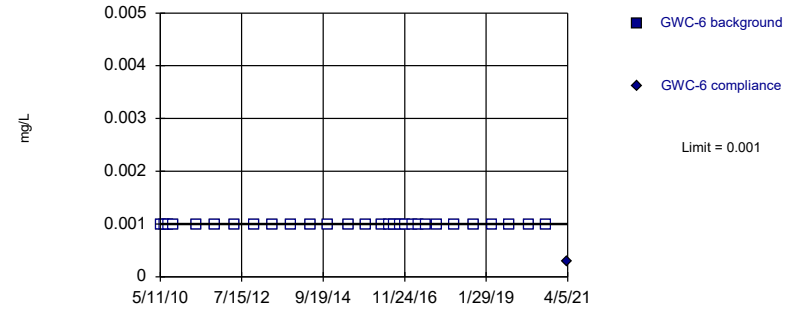


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

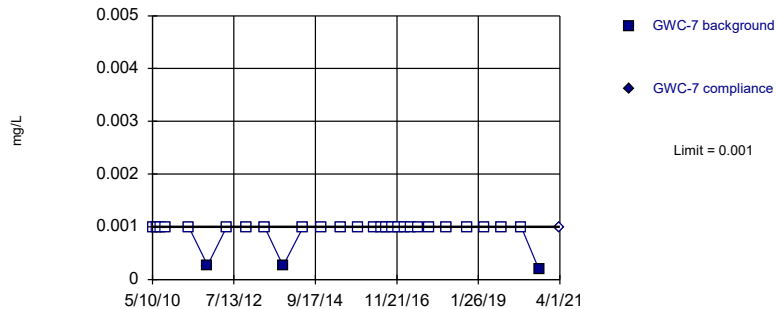


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

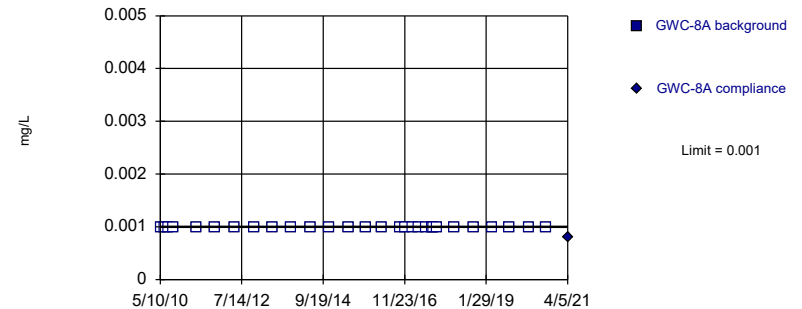


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



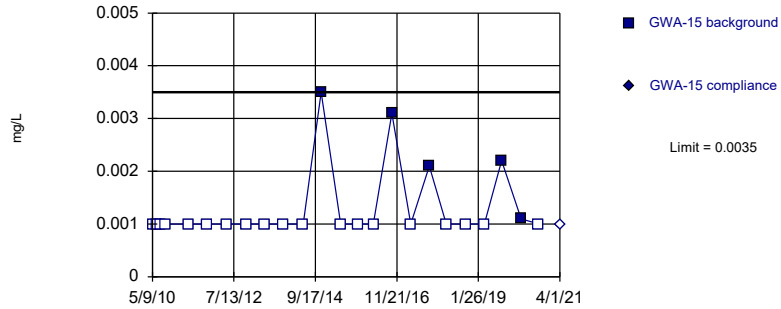
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

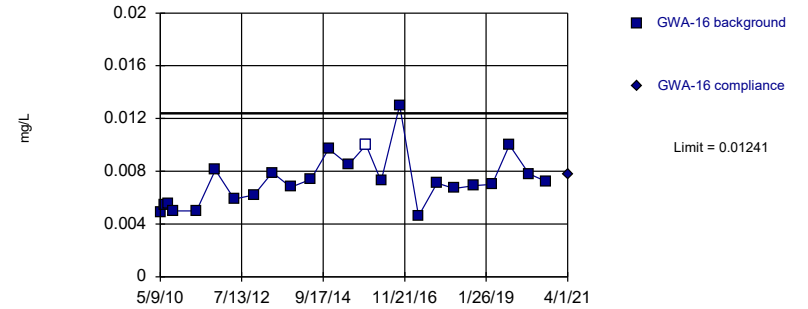


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

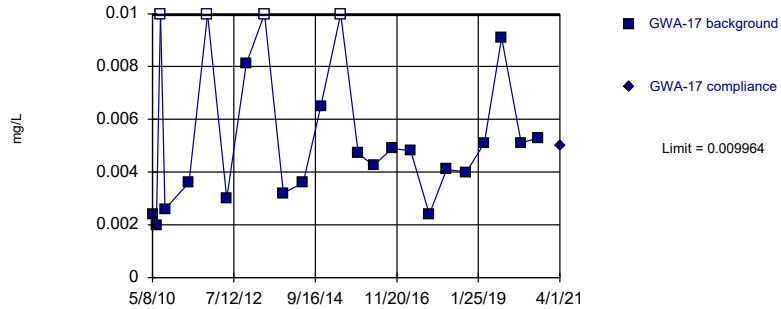


Background Data Summary: Mean=0.007244, Std. Dev.=0.001978, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9179, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

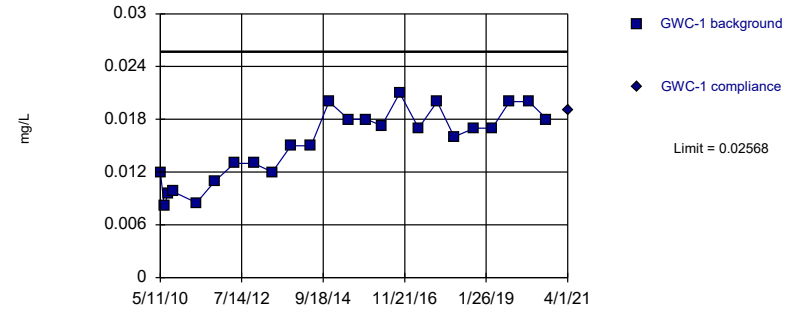


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06396, Std. Dev.=0.01374, n=24, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

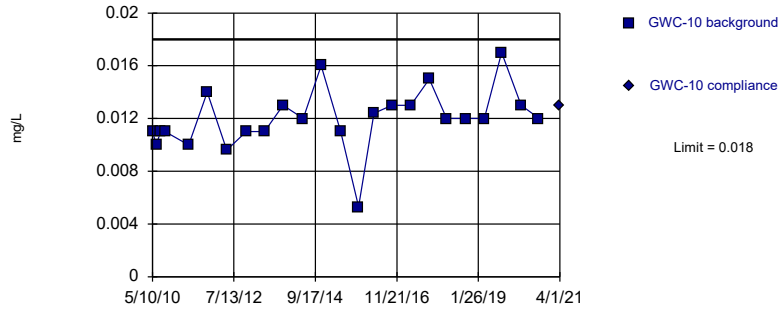


Background Data Summary: Mean=0.01527, Std. Dev.=0.003991, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

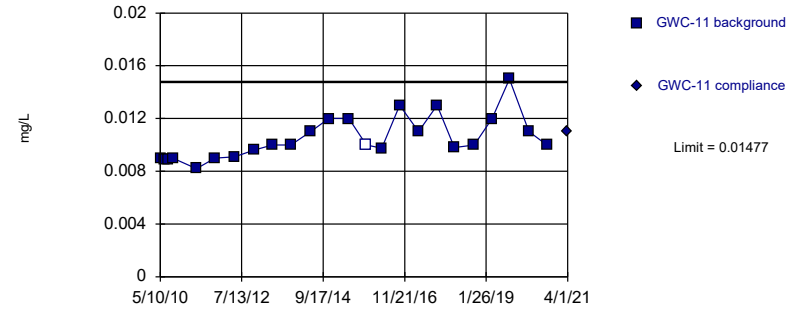


Background Data Summary: Mean=0.01197, Std. Dev.=0.002311, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9233, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

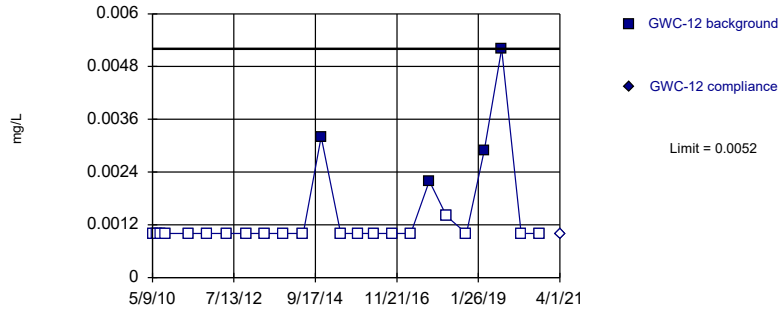


Background Data Summary: Mean=0.01047, Std. Dev.=0.001648, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8992, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

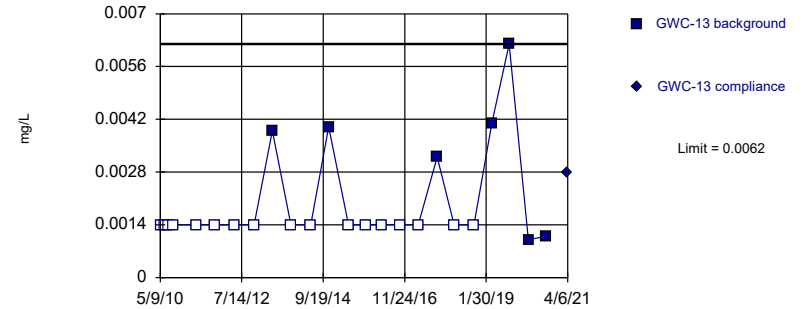


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

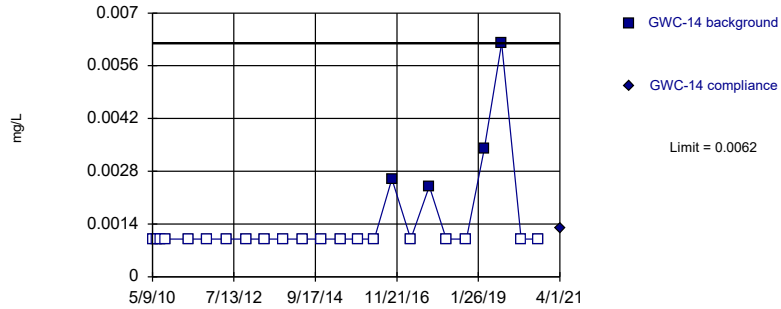


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

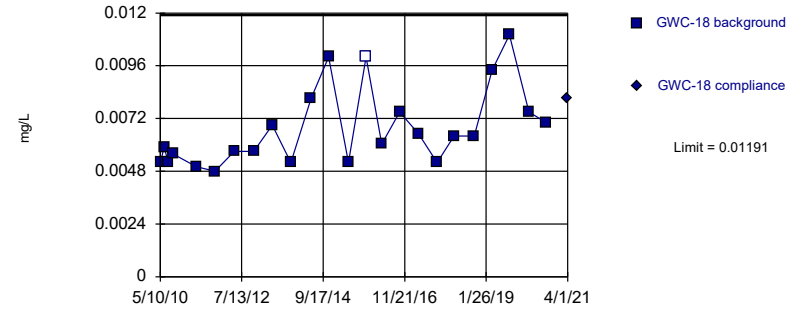


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

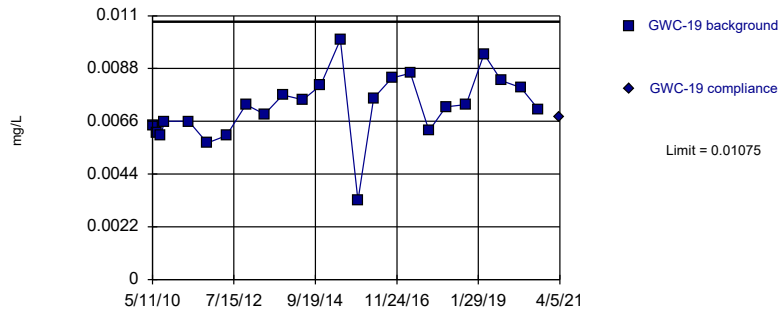


Background Data Summary (based on cube root transformation): Mean=0.1875, Std. Dev.=0.01567, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8887, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

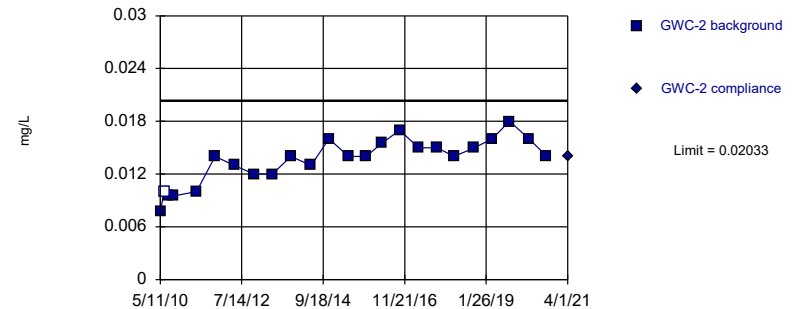


Background Data Summary: Mean=0.007178, Std. Dev.=0.001371, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9601, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

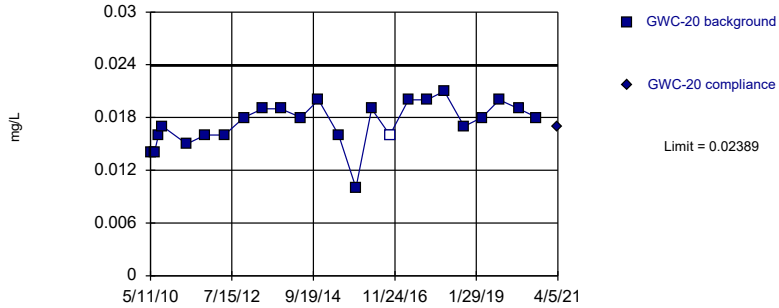


Background Data Summary: Mean=0.01352, Std. Dev.=0.00261, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9448, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

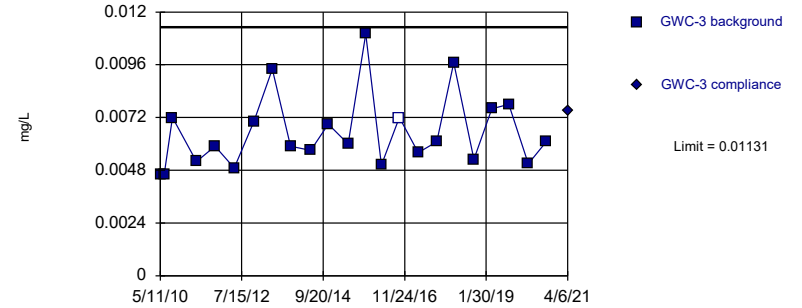


Background Data Summary: Mean=0.01733, Std. Dev.=0.002514, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9211, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

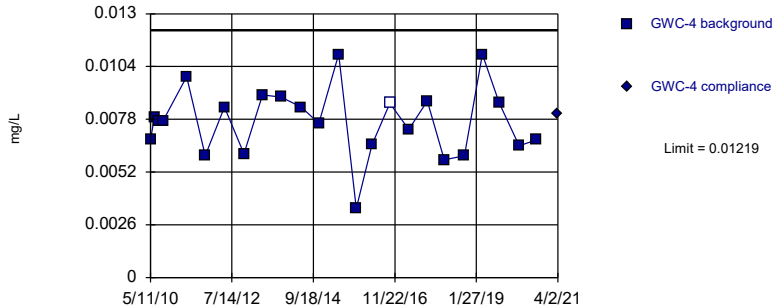


Background Data Summary (based on square root transformation): Mean=0.08012, Std. Dev.=0.009969, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9116, critical = 0.881. Kappa = 2.632 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

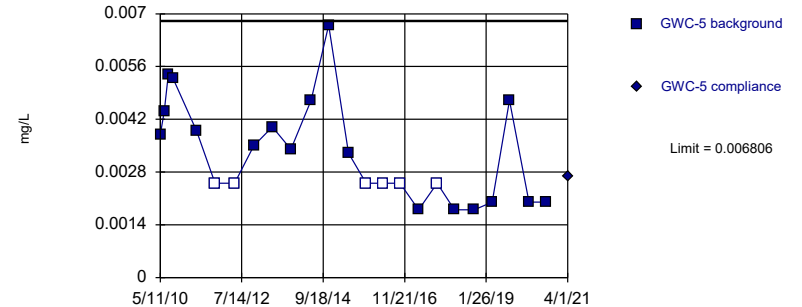


Background Data Summary: Mean=0.007693, Std. Dev.=0.001725, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

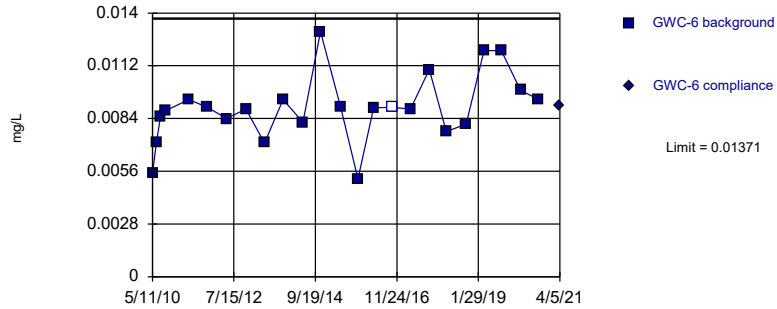


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003039, Std. Dev.=0.001444, n=24, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

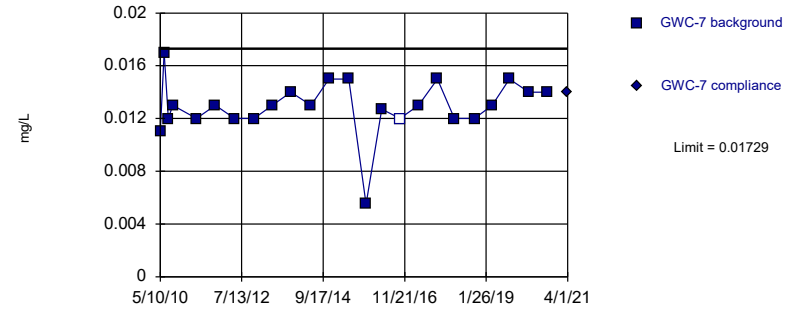


Background Data Summary: Mean=0.008936, Std. Dev.=0.001829, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9399, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

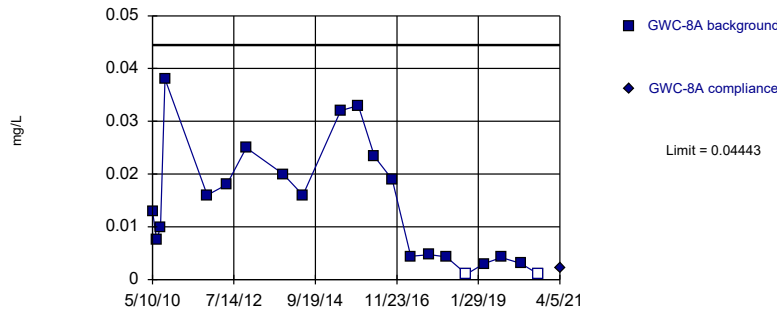


Background Data Summary (based on square transformation): Mean=0.0001713, Std. Dev.=0.0000489, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9045, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

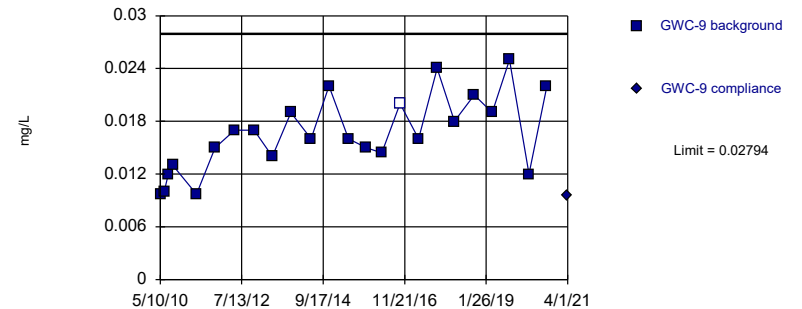


Background Data Summary: Mean=0.01412, Std. Dev.=0.01131, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9106, critical = 0.873. Kappa = 2.68 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

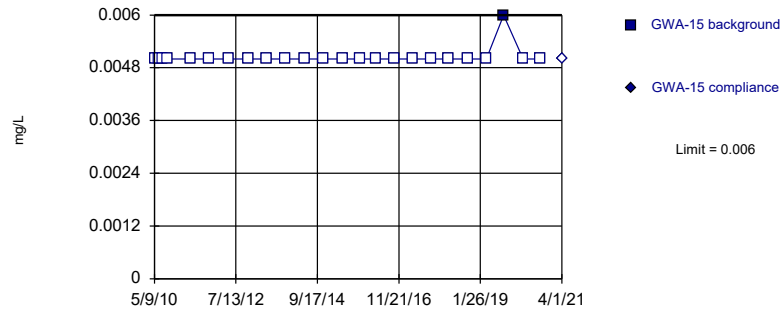


Background Data Summary: Mean=0.01653, Std. Dev.=0.004374, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9688, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

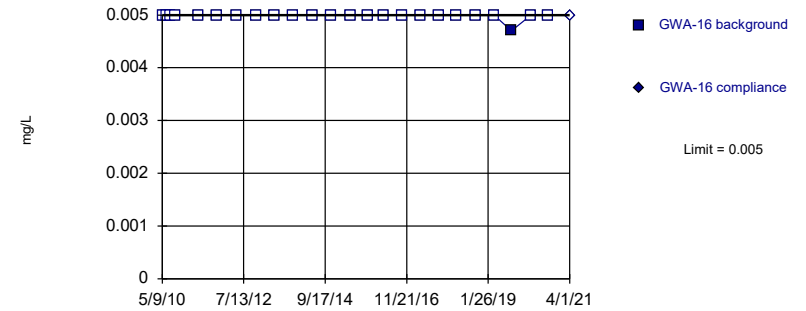


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

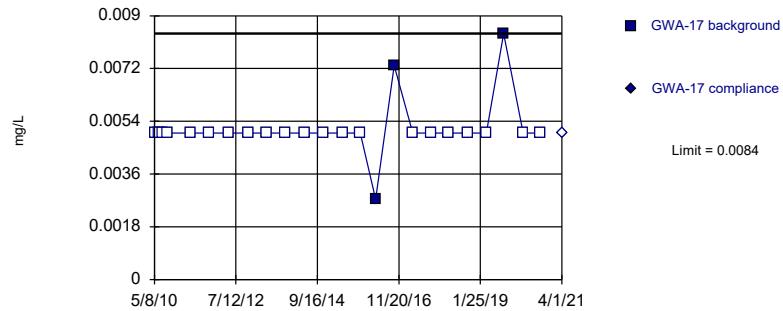


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

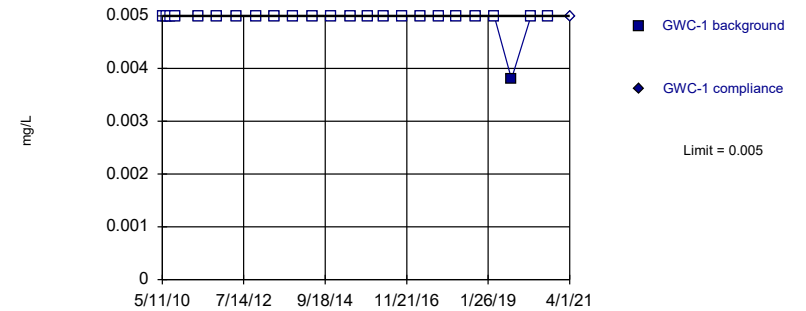


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

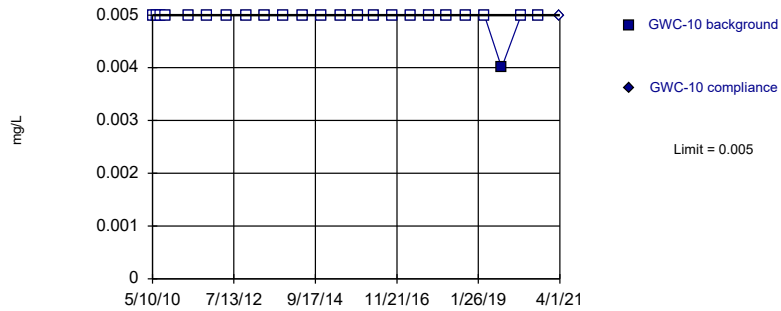


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

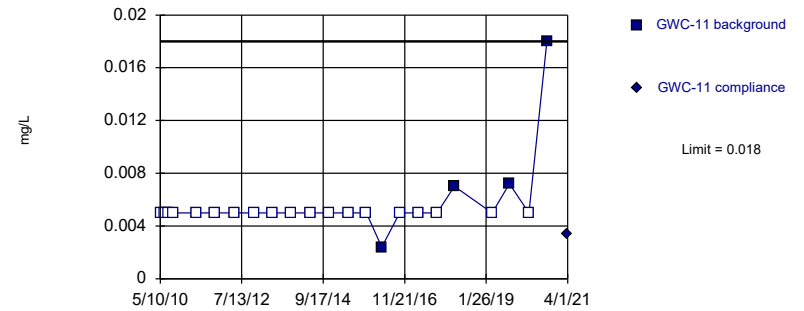


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

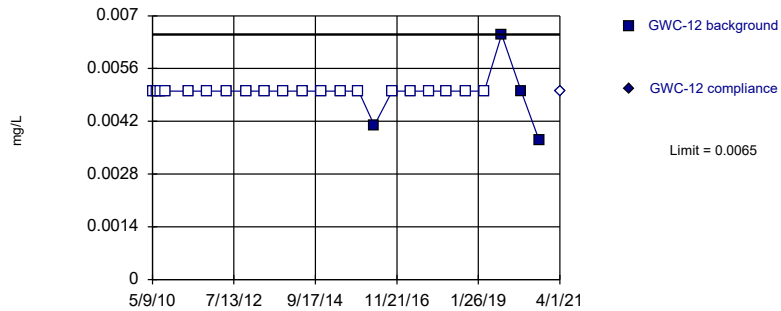


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

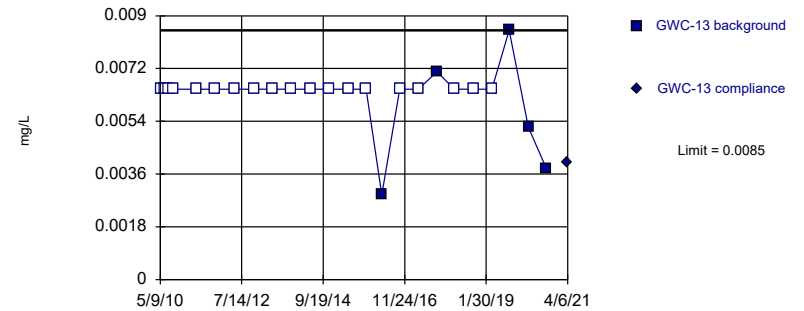


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

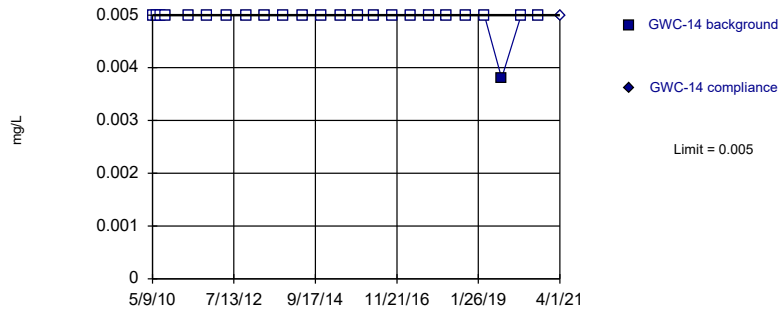


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

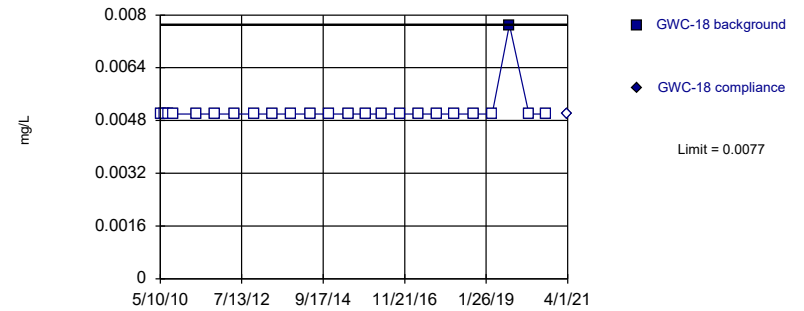


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

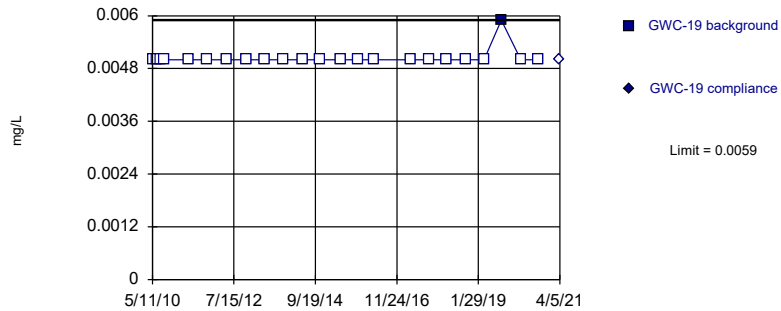


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

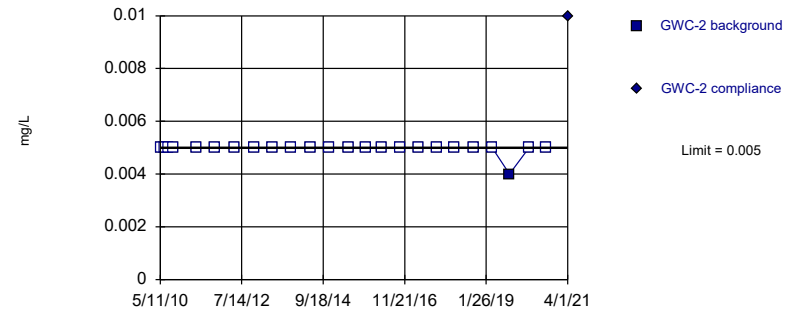


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
 Intrawell Non-parametric



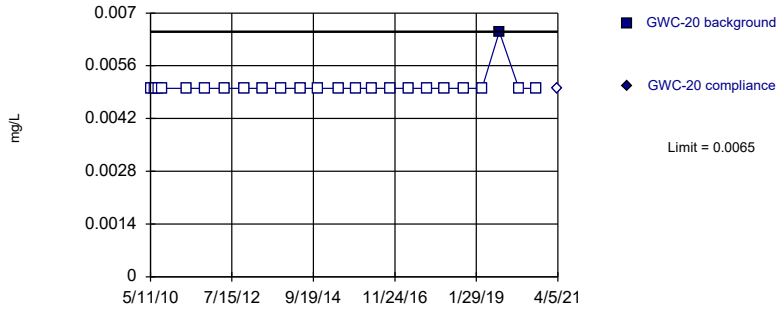
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
 Intrawell Non-parametric

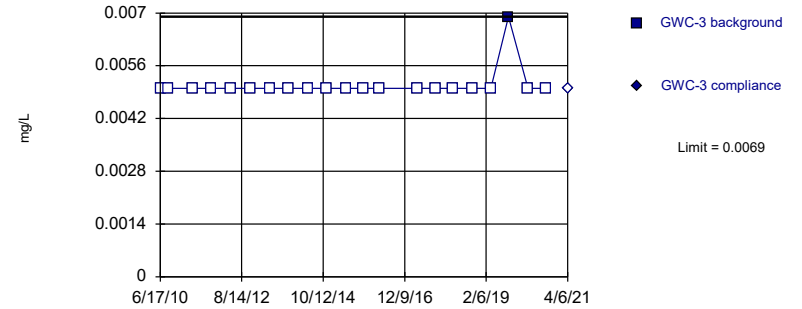


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

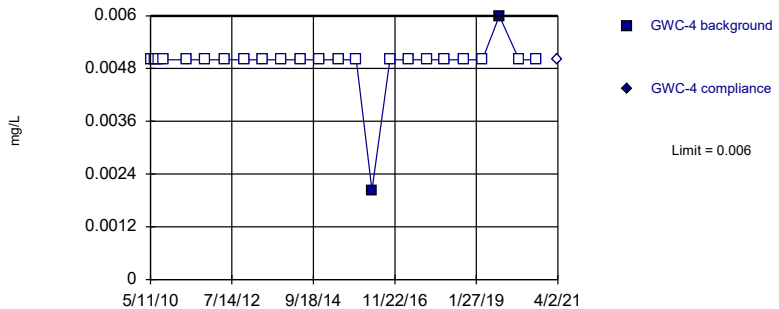


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

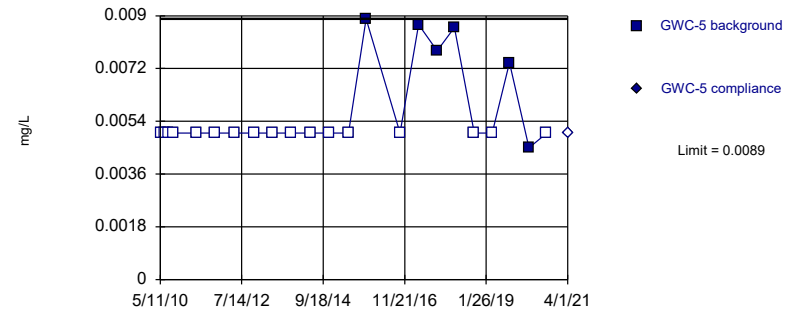


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

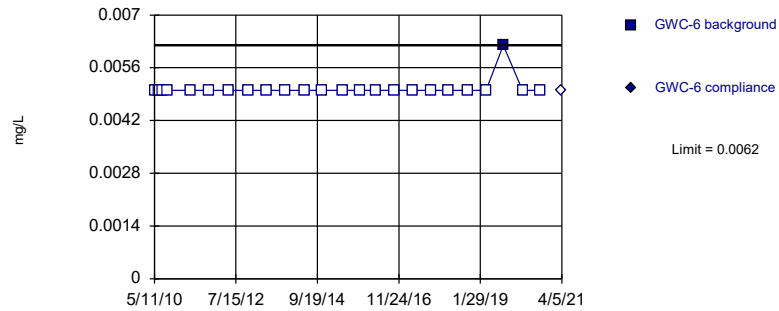


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

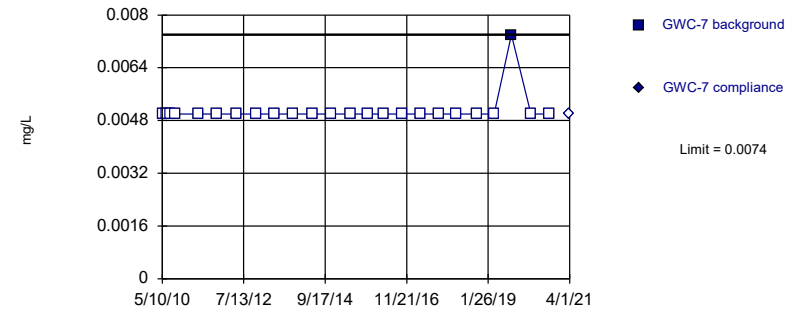


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

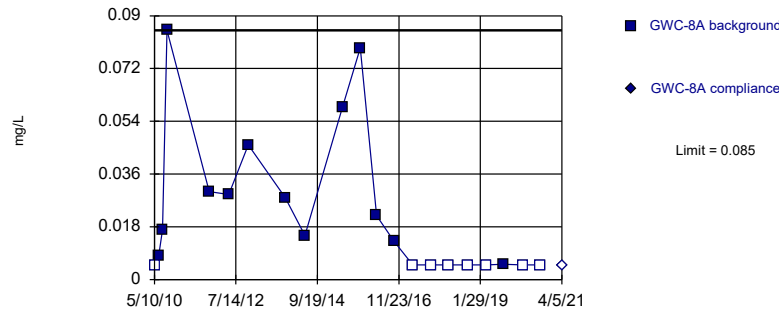


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

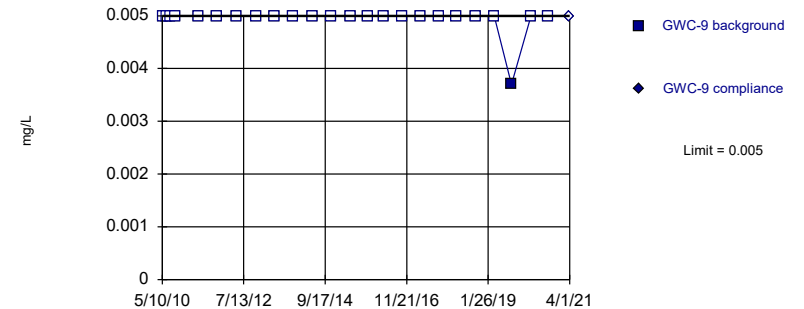


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	<0.002	
10/4/2016	<0.002	
11/29/2016	<0.002	
2/7/2017	0.001 (J)	
4/4/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.002	
6/18/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/23/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	0.000646 (JD)	
6/21/2016	<0.002	
8/15/2016	<0.002	
10/5/2016	<0.002	
12/1/2016	<0.002	
2/8/2017	<0.002	
4/5/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002 (D)	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	<0.002	
7/26/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
6/16/2016	0.00018 (J)	
8/11/2016	<0.002	
10/5/2016	<0.002	
11/29/2016	<0.002	
2/8/2017	<0.002	
4/6/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00039 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/8/2014	<0.002	
5/23/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
6/16/2016	0.00014 (J)	
8/11/2016	<0.002	
10/5/2016	<0.002	
11/29/2016	<0.002	
2/8/2017	<0.002	
4/5/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.00042 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.0013 (J)

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.002	
6/17/2010	<0.002	
7/28/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/10/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002 (D)	
6/20/2016	0.0002 (J)	
8/12/2016	<0.002	
10/5/2016	<0.002	
11/30/2016	<0.002	
2/8/2017	<0.002	
4/6/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002



# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	<0.002	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
6/20/2016	0.0002 (J)	
8/15/2016	<0.002	
10/6/2016	<0.002	
12/1/2016	<0.002	
2/9/2017	<0.002	
4/7/2017	<0.002	
6/22/2017	<0.002	
10/6/2017	<0.002	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	0.01 (J)	
6/18/2010	0.01 (J)	
7/28/2010	0.011 (J)	
9/9/2010	0.011 (J)	
4/30/2011	0.0091 (J)	
10/28/2011	0.0096 (J)	
5/2/2012	0.012	
11/9/2012	0.012 (V)	
5/8/2013	0.01	
11/5/2013	0.0098 (J)	
5/20/2014	0.0081 (J)	
11/12/2014	0.0098 (J)	
5/22/2015	0.0088 (J)	
11/11/2015	0.011	
4/6/2016	0.00959 (J)	
6/15/2016	0.0091 (J)	
8/10/2016	0.009	
10/4/2016	<0.0092	
11/30/2016	0.011	
2/7/2017	0.0099	
4/4/2017	0.0092	
6/20/2017	0.0099	
10/4/2017	0.0098	
3/20/2018	0.01	
10/2/2018	0.0099	
3/26/2019	0.0099	
9/10/2019	0.011	
3/18/2020	0.01	
9/9/2020	0.01	
4/1/2021		0.0092 (J)

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.031 (J)	
6/16/2010	0.029 (J)	
7/27/2010	0.029 (J)	
9/7/2010	0.028 (J)	
4/29/2011	0.026 (J)	
10/28/2011	0.025	
5/2/2012	0.025	
11/9/2012	0.028 (V)	
5/8/2013	0.029	
11/6/2013	0.026	
5/20/2014	0.025	
11/8/2014	0.026	
5/22/2015	0.026	
11/9/2015	0.024	
4/6/2016	0.026	
6/15/2016	0.023	
8/10/2016	0.022	
10/4/2016	0.024	
11/29/2016	0.023	
2/7/2017	0.024	
4/4/2017	0.022	
6/20/2017	0.025	
10/5/2017	0.023	
3/20/2018	0.023	
10/2/2018	0.023	
3/26/2019	0.024	
9/10/2019	0.039	
3/18/2020	0.027	
9/9/2020	0.024	
4/1/2021		0.024

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	0.048 (J)	
6/16/2010	0.044 (J)	
7/26/2010	0.042 (J)	
9/7/2010	0.04 (J)	
4/29/2011	0.038 (J)	
10/28/2011	0.034	
5/2/2012	0.03	
11/9/2012	0.039 (V)	
5/8/2013	0.034	
11/6/2013	0.032	
5/20/2014	0.03	
11/8/2014	0.031	
5/22/2015	0.033	
11/9/2015	0.034	
4/6/2016	0.0347	
6/15/2016	0.029	
8/10/2016	0.027	
10/5/2016	<0.029	
11/29/2016	0.024	
2/7/2017	0.029	
4/4/2017	0.03	
6/20/2017	0.036	
10/5/2017	0.027	
3/20/2018	0.027	
10/2/2018	0.027	
3/26/2019	0.031	
9/10/2019	0.051	
3/18/2020	0.031	
9/9/2020	0.033	
4/1/2021		0.029

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	0.054 (J)	
6/17/2010	0.054 (J)	
7/27/2010	0.054 (J)	
9/9/2010	0.046 (J)	
4/28/2011	0.057 (J)	
10/29/2011	0.046	
5/3/2012	0.049	
11/9/2012	0.045 (V)	
5/9/2013	0.053	
11/5/2013	0.045	
5/23/2014	0.043	
11/13/2014	0.046	
5/23/2015	0.046	
11/11/2015	0.047	
4/12/2016	0.0474	
6/16/2016	0.044	
8/11/2016	0.04	
10/4/2016	0.048	
11/30/2016	0.043	
2/7/2017	0.042	
4/5/2017	0.041	
6/20/2017	0.046	
10/4/2017	0.044	
3/20/2018	0.042	
10/2/2018	0.043	
3/26/2019	0.044	
9/10/2019	0.046	
3/18/2020	0.049	
9/9/2020	0.046	
4/1/2021		0.047

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.024 (J)	
6/16/2010	0.022 (J)	
7/28/2010	0.023 (J)	
9/8/2010	0.023 (J)	
4/29/2011	0.022 (J)	
10/27/2011	0.022	
5/4/2012	0.019	
11/11/2012	0.025 (V)	
5/9/2013	0.024	
11/5/2013	0.025	
5/21/2014	0.024	
11/12/2014	0.026	
5/23/2015	0.026	
11/12/2015	0.026	
4/13/2016	0.0258 (D)	
6/21/2016	0.0286	
8/15/2016	0.024	
10/5/2016	<0.028	
12/1/2016	0.028	
2/8/2017	0.027	
4/6/2017	0.027	
6/21/2017	0.031	
10/5/2017	0.029	
3/21/2018	<0.028 (X)	
10/2/2018	0.029	
3/27/2019		0.027
9/11/2019		0.033
3/18/2020		0.036
9/9/2020		0.036
4/1/2021		0.034

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	0.018 (J)	
6/16/2010	0.018 (J)	
7/27/2010	0.018 (J)	
9/8/2010	0.017 (J)	
4/29/2011	0.016 (J)	
10/27/2011	0.015	
5/4/2012	0.014	
11/10/2012	0.016 (V)	
5/9/2013	0.016	
11/6/2013	0.016	
5/20/2014	0.016	
11/12/2014	0.017	
5/24/2015	0.017	
11/12/2015	0.016	
4/13/2016	0.0159 (D)	
6/21/2016	0.018	
8/15/2016	0.015	
10/5/2016	<0.016	
12/1/2016	0.016	
2/8/2017	0.015	
4/6/2017	0.016	
6/20/2017	0.016	
10/5/2017	0.016	
3/21/2018	<0.016 (X)	
10/2/2018	0.016	
3/27/2019	0.015	
9/11/2019	0.017	
3/18/2020	0.019	
9/10/2020	0.02	
4/1/2021		0.018

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	0.017 (J)	
6/18/2010	0.014 (J)	
7/27/2010	0.015 (J)	
9/8/2010	0.013 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.013	
5/3/2012	0.012	
11/10/2012	0.015 (V)	
5/9/2013	0.015	
11/6/2013	0.015	
5/20/2014	0.015	
11/12/2014	0.018	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0166 (D)	
6/21/2016	0.0173	
8/15/2016	0.015	
10/5/2016	<0.017	
12/1/2016	0.016	
2/8/2017	0.016	
4/5/2017	0.016	
6/20/2017	0.017	
10/5/2017	0.017	
3/21/2018	<0.017 (X)	
10/2/2018	0.016	
3/26/2019	0.017	
9/11/2019	0.017	
3/18/2020	0.018	
9/10/2020	0.019	
4/1/2021		0.018



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	0.029 (J)	
6/18/2010	0.028 (J)	
7/29/2010	0.029 (J)	
9/9/2010	0.028 (J)	
4/26/2011	0.038 (J)	
10/28/2011	0.026	
5/4/2012	0.024	
11/11/2012	0.027 (V)	
5/8/2013	0.045	
11/7/2013	0.026	
5/20/2014	0.024	
11/12/2014	0.029	
5/24/2015	0.027	
11/12/2015	0.029	
4/13/2016	0.029 (D)	
6/21/2016	0.0306	
8/15/2016	0.026	
10/7/2016	0.031	
12/1/2016	0.031	
2/9/2017	0.032	
4/6/2017	0.029	
6/22/2017	0.034	
10/6/2017	0.031	
3/22/2018	0.034	
10/3/2018	0.03	
3/26/2019		0.035
9/11/2019		0.035
3/18/2020		0.058
9/10/2020		0.037
4/6/2021		0.038

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	0.01 (J)	
6/18/2010	0.0097 (J)	
7/28/2010	0.0096 (J)	
9/9/2010	0.01 (J)	
4/30/2011	0.0096 (J)	
10/28/2011	0.0064 (O)	
5/3/2012	0.0054 (O)	
11/10/2012	0.0094 (J)	
5/8/2013	0.0093 (J)	
11/5/2013	0.009 (J)	
5/20/2014	0.009 (J)	
11/12/2014	0.0098 (J)	
5/24/2015	0.0096 (J)	
11/11/2015	0.0092 (J)	
4/13/2016	0.00929 (JD)	
6/21/2016	0.0106	
8/15/2016	0.0077	
10/4/2016	<0.0091	
12/1/2016	0.0089	
2/7/2017	0.0089	
4/6/2017	0.0085	
6/20/2017	0.0097	
10/5/2017	0.0096	
3/20/2018	0.0091	
10/2/2018	0.0096	
3/26/2019	0.0092	
9/11/2019	0.011	
3/18/2020	0.0099 (J)	
9/9/2020	0.01	
4/1/2021		0.0095 (J)

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	0.039 (J)	
6/16/2010	0.041 (J)	
7/26/2010	0.04 (J)	
9/7/2010	0.038 (J)	
4/29/2011	0.034 (J)	
10/28/2011	0.035	
5/2/2012	0.038	
11/9/2012	0.035 (V)	
5/8/2013	0.037	
11/6/2013	0.036 (V)	
5/23/2014	0.036	
11/8/2014	0.038	
5/22/2015	0.035	
11/10/2015	0.032	
4/11/2016	0.0352	
6/16/2016	0.033	
8/11/2016	0.035	
10/5/2016	<0.032	
11/29/2016	0.034	
2/8/2017	0.032	
4/6/2017	0.031	
6/21/2017	0.035	
10/5/2017	0.034	
3/20/2018	0.033	
10/2/2018	0.032	
3/26/2019	0.033	
9/11/2019	0.035	
3/18/2020	0.036	
9/9/2020	0.036	
4/1/2021		0.035

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.018 (J)	
6/16/2010	0.017 (J)	
7/27/2010	0.016 (J)	
9/7/2010	0.017 (J)	
4/29/2011	0.018 (J)	
10/28/2011	0.016	
5/2/2012	0.018	
11/9/2012	0.017 (V)	
5/9/2013	0.017	
11/6/2013	0.018 (V)	
5/22/2014	0.016	
11/8/2014	0.018	
5/23/2015	0.018	
11/10/2015	0.017	
4/11/2016	0.0191	
6/16/2016	0.017	
8/11/2016	0.015	
10/5/2016	<0.018	
11/29/2016	0.017	
2/8/2017	0.017	
4/5/2017	0.017	
6/21/2017	0.019	
10/5/2017	0.018	
3/20/2018	0.019	
10/2/2018	0.018	
3/26/2019		0.018
9/12/2019		0.026
3/19/2020		0.025
9/9/2020		0.026
4/5/2021		0.028

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.048 (J)	
6/19/2010	0.033 (J)	
7/27/2010	0.047 (J)	
9/9/2010	0.045 (J)	
4/28/2011	0.048 (J)	
10/28/2011	0.044	
5/3/2012	0.047	
11/9/2012	0.055 (V)	
5/9/2013	0.049	
11/5/2013	0.045	
5/22/2014	0.04	
11/13/2014	0.045	
5/24/2015	0.045	
11/11/2015	0.045	
4/12/2016	0.0519	
6/16/2016	0.045	
8/11/2016	0.04	
10/4/2016	0.044	
11/30/2016	0.044	
2/7/2017	0.044	
4/6/2017	0.041	
6/20/2017	0.045	
10/4/2017	0.047	
3/20/2018	0.045	
10/2/2018	0.044	
3/26/2019	0.045	
9/10/2019	0.047	
3/18/2020	0.048	
9/9/2020	0.047	
4/1/2021		0.044

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	0.032 (J)	
6/17/2010	0.031 (J)	
7/27/2010	0.035 (J)	
9/7/2010	0.032 (J)	
4/29/2011	0.031 (J)	
10/28/2011	0.03	
5/3/2012	0.032	
11/10/2012	0.028 (V)	
5/9/2013	0.029	
11/6/2013	0.03 (V)	
5/22/2014	0.029	
11/9/2014	0.032	
5/24/2015	0.029	
11/10/2015	0.026	
4/12/2016	0.033	
6/16/2016	0.028	
8/11/2016	0.026	
10/5/2016	0.03	
11/30/2016	0.03	
2/8/2017	0.033	
4/6/2017	0.033	
6/21/2017	0.03	
10/5/2017	0.028	
3/21/2018	<0.03 (X)	
10/3/2018	0.028	
3/26/2019	0.03	
9/12/2019	0.035	
3/19/2020	0.032	
9/10/2020	0.031	
4/5/2021		0.029

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.039	
6/17/2010	0.017	
7/28/2010	0.071 (O)	
9/7/2010	0.026	
4/29/2011	0.016	
10/28/2011	0.014	
5/3/2012	0.017	
11/9/2012	0.022 (V)	
5/10/2013	0.025	
11/6/2013	0.015	
5/22/2014	0.016	
11/9/2014	0.017	
5/22/2015	0.017	
11/10/2015	0.018	
4/12/2016	0.0169 (D)	
6/20/2016	0.014	
8/12/2016	0.018	
10/5/2016	0.015	
11/30/2016	0.018	
2/8/2017	0.018	
4/6/2017	0.017	
6/21/2017	0.02	
10/5/2017	0.017	
3/21/2018	<0.018 (X)	
10/3/2018	0.016	
3/26/2019	0.015	
9/10/2019	0.014	
3/18/2020	0.013	
9/10/2020	0.015	
4/6/2021		0.014

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	0.031 (J)	
6/17/2010	0.033 (J)	
7/28/2010	0.033 (J)	
9/8/2010	0.033 (J)	
4/28/2011	0.039 (J)	
10/29/2011	0.029	
5/3/2012	0.036	
11/10/2012	0.032 (V)	
5/10/2013	0.035	
11/6/2013	0.037	
5/22/2014	0.031	
11/9/2014	0.034	
5/22/2015	0.039	
11/11/2015	0.042	
4/12/2016	0.0386	
6/20/2016	0.031	
8/12/2016	0.033	
10/6/2016	0.042	
11/30/2016	0.04	
2/8/2017	0.042	
4/6/2017	0.041	
6/22/2017	0.047	
10/6/2017	0.045	
3/21/2018	0.045	
10/3/2018	0.042	
3/26/2019	0.053	
9/10/2019	0.037	
3/19/2020	0.045	
9/10/2020	0.045	
4/2/2021		0.047



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	0.034 (J)	
6/18/2010	0.028 (J)	
7/27/2010	0.026 (J)	
9/9/2010	0.022 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.014	
5/4/2012	0.017	
11/10/2012	0.014 (V)	
5/9/2013	0.016	
11/6/2013	0.016	
5/22/2014	0.016	
11/9/2014	0.018	
5/24/2015	0.11	
11/11/2015	0.12	
4/19/2016	0.099	
6/22/2016	0.074	
8/16/2016	0.045	
10/6/2016	0.046	
12/1/2016	0.046	
2/9/2017	0.055	
4/6/2017	0.057	
6/21/2017	0.062	
10/5/2017	0.052	
3/22/2018	0.048	
10/3/2018	0.036	
3/27/2019	0.038	
9/11/2019	0.039	
3/18/2020	0.04	
9/9/2020	0.033	
4/1/2021		0.04

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.053 (J)	
6/18/2010	0.055 (J)	
7/27/2010	0.053 (J)	
9/9/2010	0.05 (J)	
4/30/2011	0.05 (J)	
10/29/2011	0.045	
5/4/2012	0.051	
11/10/2012	0.048 (V)	
5/9/2013	0.048	
11/7/2013	0.049	
5/21/2014	0.048	
11/9/2014	0.053	
5/24/2015	0.061	
11/11/2015	0.063	
4/12/2016	0.0626	
6/20/2016	0.057	
8/12/2016	0.053	
10/6/2016	0.053	
11/30/2016	0.06	
2/9/2017	0.054	
4/6/2017	0.055	
6/21/2017	0.063	
10/6/2017	0.054	
3/21/2018	0.056	
10/3/2018	0.051	
3/26/2019	0.052	
9/11/2019	0.059	
3/18/2020	0.05	
9/10/2020	0.056	
4/5/2021		0.054

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	0.029 (J)	
6/18/2010	0.044 (J)	
7/28/2010	0.028 (J)	
9/9/2010	0.029 (J)	
4/30/2011	0.025 (J)	
10/29/2011	0.026	
5/4/2012	0.032	
11/10/2012	0.028 (V)	
5/9/2013	0.03	
11/7/2013	0.031	
5/21/2014	0.029	
11/12/2014	0.031	
5/24/2015	0.039	
11/11/2015	0.032	
4/13/2016	0.0328 (D)	
6/20/2016	0.03	
8/15/2016	0.033	
10/6/2016	0.032	
12/1/2016	0.034	
2/9/2017	0.032	
4/7/2017	0.031	
6/22/2017	0.035	
10/6/2017	0.034	
3/22/2018	0.035	
10/4/2018	0.031	
3/27/2019	0.033	
9/11/2019	0.035	
3/19/2020	0.036	
9/10/2020	0.039	
4/1/2021		0.036

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.05 (J)	
6/19/2010	0.045 (J)	
7/28/2010	0.046 (J)	
9/8/2010	0.071 (J)	
4/30/2011	0.098 (J)	
10/27/2011	0.048	
5/4/2012	0.055	
11/11/2012	0.05 (V)	
5/10/2013	0.12	
11/7/2013	0.044	
5/21/2014	0.037	
11/13/2014	0.085	
5/23/2015	0.054	
11/11/2015	0.059	
4/19/2016	0.0415	
10/10/2016	0.034	
12/1/2016	0.037	
2/9/2017	0.043	
4/7/2017	0.019	
6/21/2017	0.017	
8/15/2017	0.021	
9/1/2017	0.02	
10/9/2017	0.019	
3/22/2018	0.019	
10/4/2018	0.012	
3/27/2019	0.025	
9/11/2019	0.022	
3/18/2020	0.043	
9/9/2020	0.053	
4/5/2021		0.045

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	0.026 (J)	
6/16/2010	0.026 (J)	
7/27/2010	0.029 (J)	
9/8/2010	0.027 (J)	
4/29/2011	0.02 (J)	
10/27/2011	0.02	
5/3/2012	0.021	
11/11/2012	0.028 (V)	
5/9/2013	0.026	
11/6/2013	0.026	
5/21/2014	0.023	
11/12/2014	0.038	
5/23/2015	0.021	
11/12/2015	0.02	
4/13/2016	0.0164 (D)	
6/22/2016	0.0238	
8/15/2016	0.02	
10/6/2016	0.021	
12/1/2016	0.025	
2/8/2017	0.017	
4/6/2017	0.019	
6/21/2017	0.026	
10/5/2017	0.022	
3/21/2018	<0.021 (X)	
10/2/2018	0.023	
3/27/2019	0.018	
9/11/2019	0.028	
3/18/2020	0.013	
9/9/2020	0.025	
4/1/2021		0.018

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	0.0021	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/20/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	0.00018 (J)	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/30/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/10/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/21/2017	<0.0025	
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/9/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/5/2021		0.00038 (J)



# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00013 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/10/2020	0.001 (J)	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		0.00038 (J)

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	0.001	
4/30/2011	0.0014	
10/27/2011	0.0011	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	0.0016	
11/7/2013	0.001	
5/21/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	0.000379 (J)	
10/10/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	0.00037 (J)	
4/7/2017	<0.0025	
6/21/2017	<0.0025	
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/9/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/5/2021		0.0003 (J)

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	0.0036	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/22/2015	<0.002	
11/11/2015	<0.002	
4/6/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/4/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002 (D)	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0023 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.003 (J)	
6/16/2010	0.0042 (J)	
7/27/2010	0.0048 (J)	
9/7/2010	0.0037 (J)	
4/29/2011	0.0046 (J)	
10/28/2011	0.005	
5/2/2012	0.0052	
11/9/2012	0.0054	
5/8/2013	0.0058	
11/6/2013	0.0062 (J)	
5/20/2014	0.0047 (J)	
11/8/2014	0.0064 (J)	
5/22/2015	0.0059 (J)	
11/9/2015	0.0043 (J)	
4/6/2016	0.00457 (J)	
6/15/2016	<0.01	
8/10/2016	0.0042	
10/4/2016	0.0052	
11/29/2016	0.004	
2/7/2017	0.004	
4/4/2017	0.0021 (J)	
6/20/2017	0.0046	
10/5/2017	0.005	
3/20/2018	0.0044	
10/2/2018	0.0043	
3/26/2019	0.0046	
9/10/2019	0.0076	
3/18/2020	0.0044	
9/9/2020	0.005	
4/1/2021		0.0053

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	0.0032 (J)	
6/16/2010	0.0037 (J)	
7/26/2010	0.0058	
9/7/2010	0.0078	
4/29/2011	0.005	
10/28/2011	0.0068	
5/2/2012	0.0065	
11/9/2012	0.006	
5/8/2013	0.0074	
11/6/2013	0.0082 (J)	
5/20/2014	0.0051 (J)	
11/8/2014	0.0074 (J)	
5/22/2015	0.0084 (J)	
11/9/2015	0.009 (J)	
4/6/2016	0.00779 (J)	
6/15/2016	<0.01	
8/10/2016	0.0068	
10/5/2016	0.0076	
11/29/2016	0.0045	
2/7/2017	0.0067	
4/4/2017	0.0079	
6/20/2017	0.0084	
10/5/2017	0.0061	
3/20/2018	0.006	
10/2/2018	0.0061	
3/26/2019	0.0065	
9/10/2019	0.012	
3/18/2020	0.0083	
9/9/2020	0.0088	
4/1/2021		0.0082

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	0.0077	
6/17/2010	0.0053	
7/27/2010	0.0085	
9/9/2010	0.0076	
4/28/2011	0.0048 (J)	
10/29/2011	0.0093	
5/3/2012	0.01	
11/9/2012	0.009	
5/9/2013	0.0085	
11/5/2013	0.015	
5/23/2014	0.012	
11/13/2014	0.011	
5/23/2015	0.012	
11/11/2015	0.014	
4/12/2016	0.0135	
6/16/2016	0.014	
8/11/2016	0.013	
10/4/2016	0.014	
11/30/2016	0.013	
2/7/2017	0.013	
4/5/2017	0.014	
6/20/2017	0.013	
10/4/2017	0.015	
3/20/2018	0.013	
10/2/2018	0.014	
3/26/2019	0.013	
9/10/2019	0.018	
3/18/2020	0.014	
9/9/2020	0.014	
4/1/2021		0.014



# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.0095	
7/28/2010	0.01	
9/8/2010	0.011	
4/29/2011	0.0096	
10/27/2011	0.011	
5/4/2012	0.01	
11/11/2012	0.01	
5/9/2013	0.011	
11/5/2013	0.015	
5/21/2014	0.013	
11/12/2014	0.012	
5/23/2015	0.014	
11/12/2015	0.016	
4/13/2016	0.0152 (D)	
6/21/2016	0.016	
8/15/2016	0.015	
10/5/2016	0.016	
12/1/2016	0.015	
2/8/2017	0.017	
4/6/2017	0.018	
6/21/2017	0.017	
10/5/2017	0.018	
3/21/2018	0.017 (J+X)	
10/2/2018	0.018	
3/27/2019		0.017
9/11/2019		0.023
3/18/2020		0.02
9/9/2020		0.018
4/1/2021		0.02

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	0.011	
6/16/2010	0.012	
7/27/2010	0.012	
9/8/2010	0.011	
4/29/2011	0.01	
10/27/2011	0.0077	
5/4/2012	0.0082	
11/10/2012	0.007	
5/9/2013	0.0079	
11/6/2013	0.011	
5/20/2014	0.0076 (J)	
11/12/2014	0.0071 (J)	
5/24/2015	0.0083 (J)	
11/12/2015	0.0069 (J)	
4/13/2016	0.00804 (JD)	
6/21/2016	0.0086 (J)	
8/15/2016	0.0073	
10/5/2016	0.0077	
12/1/2016	0.0075	
2/8/2017	0.0078	
4/6/2017	0.0079	
6/20/2017	0.0078	
10/5/2017	0.0081	
3/21/2018	<0.0081 (X)	
10/2/2018	0.0075	
3/27/2019	0.007	
9/11/2019	0.011	
3/18/2020	0.0086	
9/10/2020	0.009	
4/1/2021		0.0078

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.002	
6/18/2010	<0.002	
7/27/2010	0.002 (J)	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	0.0031 (J)	
5/20/2014	0.002 (J)	
11/12/2014	<0.002	
5/23/2015	0.0027 (J)	
11/12/2015	0.0022 (J)	
4/13/2016	<0.002 (D)	
6/21/2016	0.0012 (J)	
8/15/2016	0.0021 (J)	
10/5/2016	0.0013 (J)	
12/1/2016	0.0015 (J)	
2/8/2017	0.0016 (J)	
4/5/2017	0.0014 (J)	
6/20/2017	0.0015 (J)	
10/5/2017	0.0015 (J)	
3/21/2018	<0.002 (XD)	
10/2/2018	0.0012 (J)	
3/26/2019	0.0013 (J)	
9/11/2019	0.0036	
3/18/2020	0.0016 (J)	
9/10/2020	<0.002	
4/1/2021		0.0015 (J)

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	0.0051	
6/18/2010	0.0043 (J)	
7/29/2010	0.0058	
9/9/2010	0.0052	
4/26/2011	0.0025 (J)	
10/28/2011	0.0035 (J)	
5/4/2012	0.0073	
11/11/2012	0.004 (J)	
5/8/2013	0.006	
11/7/2013	0.0068 (J)	
5/20/2014	0.0039 (J)	
11/12/2014	0.0039 (J)	
5/24/2015	0.004 (J)	
11/12/2015	0.0077 (J)	
4/13/2016	0.0038 (JD)	
6/21/2016	0.0035 (J)	
8/15/2016	0.0034	
10/7/2016	0.0037	
12/1/2016	0.0037	
2/9/2017	0.0038	
4/6/2017	0.0039	
6/22/2017	0.0042	
10/6/2017	0.0039	
3/22/2018	0.028 (Q)	
10/3/2018	0.0056	
3/26/2019	0.0048	
9/11/2019	0.0075	
3/18/2020	0.008	
9/10/2020	0.0054	
4/6/2021		0.0061

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	0.0036	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
6/21/2016	0.0006 (J)	
8/15/2016	<0.002	
10/4/2016	<0.002	
12/1/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.0038	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	0.012	
6/16/2010	0.014	
7/26/2010	0.013	
9/7/2010	0.015	
4/29/2011	0.014	
10/28/2011	0.014	
5/2/2012	0.017	
11/9/2012	0.014	
5/8/2013	0.017	
11/6/2013	0.017	
5/23/2014	0.013	
11/8/2014	0.018	
5/22/2015	0.02	
11/10/2015	0.013	
4/11/2016	0.0139	
6/16/2016	0.014	
8/11/2016	0.016	
10/5/2016	0.014	
11/29/2016	0.013	
2/8/2017	0.013	
4/6/2017	0.014	
6/21/2017	0.013	
10/5/2017	0.014	
3/20/2018	0.014	
10/2/2018	0.014	
3/26/2019	0.014	
9/11/2019	0.017	
3/18/2020	0.014	
9/9/2020	0.013	
4/1/2021		0.014

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.0039 (J)	
6/16/2010	0.0049 (J)	
7/27/2010	0.0047 (J)	
9/7/2010	0.0057	
4/29/2011	0.0087	
10/28/2011	0.0075	
5/2/2012	0.011	
11/9/2012	0.0076	
5/9/2013	0.0088	
11/6/2013	0.011	
5/22/2014	0.0057 (J)	
11/8/2014	0.013	
5/23/2015	0.014	
11/10/2015	0.0091 (J)	
4/11/2016	0.00767 (J)	
6/16/2016	<0.01	
8/11/2016	0.0085	
10/5/2016	0.01	
11/29/2016	0.0087	
2/8/2017	0.0093	
4/5/2017	0.0098	
6/21/2017	0.0094	
10/5/2017	0.0096	
3/20/2018	0.0097	
10/2/2018	0.0097	
3/26/2019	0.0091	
9/12/2019	0.012	
3/19/2020	0.012	
9/9/2020	0.011	
4/5/2021		0.012

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.0051	
6/19/2010	<0.011	
7/27/2010	0.01	
9/9/2010	0.0072	
4/28/2011	0.0077	
10/28/2011	0.011	
5/3/2012	0.011	
11/9/2012	0.0089	
5/9/2013	0.0089	
11/5/2013	0.011	
5/22/2014	0.01	
11/13/2014	0.0084 (J)	
5/24/2015	0.0095 (J)	
11/11/2015	0.011	
4/12/2016	0.0122	
6/16/2016	<0.011	
8/11/2016	0.01	
10/4/2016	0.011	
11/30/2016	0.0098	
2/7/2017	0.0096	
4/6/2017	0.01	
6/20/2017	0.01	
10/4/2017	0.011	
3/20/2018	0.0099	
10/2/2018	0.01	
3/26/2019	0.0096	
9/10/2019	0.014	
3/18/2020	0.011	
9/9/2020	0.01	
4/1/2021		0.0057



# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	0.0063	
6/17/2010	0.0053	
7/27/2010	0.0064	
9/7/2010	0.0078	
4/29/2011	0.0065	
10/28/2011	0.0092	
5/3/2012	0.011	
11/10/2012	0.0073	
5/9/2013	0.0098	
11/6/2013	0.011	
5/22/2014	0.0097 (J)	
11/9/2014	0.012	
5/24/2015	0.016	
11/10/2015	0.0088 (J)	
4/12/2016	0.00965 (J)	
6/16/2016	<0.0085	
8/11/2016	0.0083	
10/5/2016	0.0094	
11/30/2016	0.0084	
2/8/2017	0.0091	
4/6/2017	0.011	
6/21/2017	0.0081	
10/5/2017	0.0083	
3/21/2018	<0.0085 (X)	
10/3/2018	0.0091	
3/26/2019	0.0092	
9/12/2019	0.011	
3/19/2020	0.0094	
9/10/2020	0.009	
4/5/2021		0.008

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.01	
6/17/2010	0.0087	
7/28/2010	0.028 (O)	
9/7/2010	0.022	
4/29/2011	0.0099	
10/28/2011	0.0089	
5/3/2012	0.0091	
11/9/2012	0.008	
5/10/2013	0.019	
11/6/2013	0.013	
5/22/2014	0.0093 (J)	
11/9/2014	0.0098 (J)	
5/22/2015	0.01	
11/10/2015	0.011	
4/12/2016	0.00925 (JD)	
6/20/2016	0.0076 (J)	
8/12/2016	0.0079	
10/5/2016	0.0085	
11/30/2016	0.0086	
2/8/2017	0.011	
4/6/2017	0.0098	
6/21/2017	0.011	
10/5/2017	0.01	
3/21/2018	<0.0093 (X)	
10/3/2018	0.0081	
3/26/2019	0.0075	
9/10/2019	0.0092	
3/18/2020	0.0049	
9/10/2020	0.0061	
4/6/2021		0.0074

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	0.0046 (J)	
6/17/2010	0.007	
7/28/2010	0.0084	
9/8/2010	0.0071	
4/28/2011	0.008	
10/29/2011	0.0054	
5/3/2012	0.0065	
11/10/2012	0.0059	
5/10/2013	0.0083	
11/6/2013	0.0099 (J)	
5/22/2014	0.0049 (J)	
11/9/2014	0.0068 (J)	
5/22/2015	0.0087 (J)	
11/11/2015	0.0084 (J)	
4/12/2016	0.00419 (J)	
6/20/2016	0.0043 (J)	
8/12/2016	0.0037	
10/6/2016	0.0062	
11/30/2016	0.0043	
2/8/2017	0.0052	
4/6/2017	0.005	
6/22/2017	0.0052	
10/6/2017	0.0049	
3/21/2018	<0.0062 (X)	
10/3/2018	0.0039	
3/26/2019	0.0084	
9/10/2019	0.0067	
3/19/2020	0.0045	
9/10/2020	0.0055	
4/2/2021		0.0052

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	0.004 (J)	
6/18/2010	0.0056	
7/27/2010	0.0051	
9/9/2010	0.0037 (J)	
4/29/2011	0.0036 (J)	
10/28/2011	0.0026 (J)	
5/4/2012	0.0031 (J)	
11/10/2012	<0.005	
5/9/2013	0.0033 (J)	
11/6/2013	0.0045 (J)	
5/22/2014	0.0035 (J)	
11/9/2014	0.0062 (J)	
5/24/2015	0.012	
11/11/2015	0.0068 (J)	
4/19/2016	0.00368 (J)	
6/22/2016	0.0031 (J)	
8/16/2016	0.0028	
10/6/2016	0.003	
12/1/2016	0.0022 (J)	
2/9/2017	0.0035	
4/6/2017	0.0032	
6/21/2017	0.0031	
10/5/2017	0.0029	
3/22/2018	0.0086 (J+X)	
10/3/2018	0.003	
3/27/2019	0.0039	
9/11/2019	0.0079	
3/18/2020	0.0052	
9/9/2020	0.0048	
4/1/2021		0.0058

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.012	
6/18/2010	0.0063	
7/27/2010	0.004 (J)	
9/9/2010	0.0053	
4/30/2011	0.0035 (J)	
10/29/2011	0.0048 (J)	
5/4/2012	0.0064	
11/10/2012	0.0084	
5/9/2013	0.0041 (J)	
11/7/2013	0.0077 (J)	
5/21/2014	0.0044 (J)	
11/9/2014	0.0071 (J)	
5/24/2015	0.01	
11/11/2015	0.0053 (J)	
4/12/2016	0.00493 (J)	
6/20/2016	0.0043 (J)	
8/12/2016	0.0037	
10/6/2016	0.004	
11/30/2016	0.0035	
2/9/2017	0.0041	
4/6/2017	0.0038	
6/21/2017	0.004	
10/6/2017	0.0038	
3/21/2018	<0.012 (X)	
10/3/2018	0.0042	
3/26/2019	0.0044	
9/11/2019	0.0078	
3/18/2020	0.0046	
9/10/2020	0.0049	
4/5/2021		0.005

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	0.007	
6/18/2010	0.011	
7/28/2010	0.0092	
9/9/2010	0.01	
4/30/2011	0.012	
10/29/2011	0.012	
5/4/2012	0.013	
11/10/2012	0.0097	
5/9/2013	0.013	
11/7/2013	0.013	
5/21/2014	0.0091 (J)	
11/12/2014	0.0097 (J)	
5/24/2015	0.018	
11/11/2015	0.0086 (J)	
4/13/2016	0.00924 (JD)	
6/20/2016	0.0084 (J)	
8/15/2016	0.0083	
10/6/2016	0.0081	
12/1/2016	0.0083	
2/9/2017	0.0087	
4/7/2017	0.009	
6/22/2017	0.0092	
10/6/2017	0.0095	
3/22/2018	0.0086 (J+X)	
10/4/2018	0.0083	
3/27/2019	0.0088	
9/11/2019	0.013	
3/19/2020	0.011	
9/10/2020	0.0098	
4/1/2021		0.0091

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.002	
6/19/2010	<0.002	
7/28/2010	0.0034 (J)	
9/8/2010	0.014	
4/30/2011	0.022	
10/27/2011	0.0064	
5/4/2012	0.0059	
11/11/2012	0.011	
5/10/2013	0.038 (O)	
11/7/2013	0.012	
5/21/2014	0.0048 (J)	
11/13/2014	0.023	
5/23/2015	0.015	
11/11/2015	0.016	
4/19/2016	0.0086 (J)	
10/10/2016	0.0052	
12/1/2016	0.0062	
2/9/2017	0.0091	
4/7/2017	<0.002	
6/21/2017	<0.002	
8/15/2017	<0.002	
9/1/2017	<0.002	
10/9/2017	<0.002	
3/22/2018	0.0079 (J+X)	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	0.0052	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	0.0097	
6/16/2010	0.0074	
7/27/2010	0.0068	
9/8/2010	0.007	
4/29/2011	0.0062	
10/27/2011	0.0084	
5/3/2012	0.0099	
11/11/2012	0.0073	
5/9/2013	0.0085	
11/6/2013	0.013	
5/21/2014	0.0097 (J)	
11/12/2014	0.0072 (J)	
5/23/2015	0.0095 (J)	
11/12/2015	0.0046 (J)	
4/13/2016	0.00627 (JD)	
6/22/2016	0.0079 (J)	
8/15/2016	0.0075	
10/6/2016	0.0071	
12/1/2016	0.007	
2/8/2017	0.0047	
4/6/2017	0.006	
6/21/2017	0.0071	
10/5/2017	0.008	
3/21/2018	<0.0046 (X)	
10/2/2018	0.0081	
3/27/2019	0.0064	
9/11/2019	0.012	
3/18/2020	0.0066	
9/9/2020	0.0081	
4/1/2021		0.0018 (J)



# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/6/2016	0.00261 (O)	
6/15/2016	0.00092 (J)	
8/10/2016	0.00076 (J)	
10/4/2016	0.00081 (J)	
11/30/2016	0.00061 (J)	
2/7/2017	<0.0025	
4/4/2017	0.00084 (J)	
6/20/2017	0.0012 (J)	
10/4/2017	0.00087 (J)	
3/20/2018	0.0018 (JD)	
10/2/2018	0.0011 (J)	
3/26/2019	0.0019 (J)	
9/10/2019	0.0012 (J)	
3/18/2020	0.0017 (J)	
9/9/2020	0.0016 (J)	
4/1/2021		0.0024 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	0.003 (O)	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	2.2E-05 (J)	
8/10/2016	<0.0025	
10/4/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00031 (J)	
3/18/2020	0.00034 (J)	
9/9/2020	<0.0025	
4/1/2021		0.00014 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	8.4E-05 (J)	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00052 (J)	
3/18/2020	<0.0025	
9/9/2020	0.00019 (J)	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/5/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	0.00017 (J)	
9/9/2020	<0.0025	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/10/2020	0.00033 (J)	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0004	
6/18/2010	<0.0004	
7/27/2010	<0.0004	
9/8/2010	<0.0004	
4/29/2011	<0.0004	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/6/2013	<0.0004	
5/20/2014	<0.0004	
11/12/2014	<0.0004	
5/23/2015	<0.0004	
11/12/2015	<0.0004	
4/13/2016	<0.0004 (D)	
6/21/2016	0.0004 (J)	
8/15/2016	0.00042 (J)	
10/5/2016	0.00049 (J)	
12/1/2016	<0.0004	
2/8/2017	<0.0004	
4/5/2017	<0.0004	
6/20/2017	0.0004 (J)	
10/5/2017	0.00041 (J)	
3/21/2018	<0.0004	
10/2/2018	<0.0004	
3/26/2019	<0.0004	
9/11/2019	0.00042 (J)	
3/18/2020	0.00013 (J)	
9/10/2020	0.00057 (J)	
4/1/2021		0.00028 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/23/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	0.0032 (O)	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/11/2019	0.00023 (J)	
3/18/2020	0.00018 (J)	
9/9/2020	0.00014 (J)	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/8/2014	<0.0025	
5/23/2015	<0.0025	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/5/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/12/2019	0.00021 (J)	
3/19/2020	0.00014 (J)	
9/9/2020	<0.0025	
4/5/2021		<0.0025



# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00015 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/10/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	0.00012 (J)	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	0.0005 (J)	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	<0.0025	
9/12/2019	0.00021 (J)	
3/19/2020	0.00026 (J)	
9/10/2020	0.00018 (J)	
4/5/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0004	
6/17/2010	<0.0004	
7/28/2010	0.0034 (O)	
9/7/2010	<0.0004	
4/29/2011	0.0037 (O)	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/9/2012	<0.0004	
5/10/2013	<0.0004	
11/6/2013	<0.0004	
5/22/2014	<0.0004	
11/9/2014	<0.0004	
5/22/2015	<0.0004	
11/10/2015	<0.0004	
4/12/2016	<0.0004 (D)	
6/20/2016	0.0001 (J)	
8/12/2016	0.00042 (J)	
10/5/2016	<0.0004	
11/30/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	<0.0004	
6/21/2017	0.00042 (J)	
10/5/2017	<0.0004	
3/21/2018	<0.0004	
10/3/2018	<0.0004	
3/26/2019	<0.0004	
9/10/2019	0.00028 (J)	
3/18/2020	0.00014 (J)	
9/10/2020	0.00023 (J)	
4/6/2021		0.00031 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/10/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	0.00016 (J)	
8/12/2016	<0.0025	
10/6/2016	0.00068 (J)	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	0.00096 (J)	
9/10/2019	<0.0025	
3/19/2020	0.00021 (J)	
9/10/2020	0.00032 (J)	
4/2/2021		0.00026 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
6/22/2016	<0.0025	
8/16/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	9.9E-05 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	3E-05 (J)	
8/12/2016	<0.0025	
10/6/2016	<0.0025	
11/30/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	<0.0025	
9/11/2019	8.7E-05 (J)	
3/18/2020	<0.0025	
9/10/2020	<0.0025	
4/5/2021		0.00015 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0004	
6/18/2010	<0.0004	
7/28/2010	<0.0004	
9/9/2010	<0.0004	
4/30/2011	<0.0004	
10/29/2011	<0.0004	
5/4/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/7/2013	<0.0004	
5/21/2014	<0.0004	
11/12/2014	<0.0004	
5/24/2015	<0.0004	
11/11/2015	<0.0004	
4/13/2016	<0.0004 (D)	
6/20/2016	8.6E-05 (J)	
8/15/2016	<0.0004	
10/6/2016	<0.0004	
12/1/2016	<0.0004	
2/9/2017	<0.0004	
4/7/2017	<0.0004	
6/22/2017	<0.0004	
10/6/2017	<0.0004	
3/22/2018	<0.0004	
10/4/2018	<0.0004	
3/27/2019	<0.0004	
9/11/2019	0.00016 (J)	
3/19/2020	0.00013 (J)	
9/10/2020	0.00038 (J)	
4/1/2021		0.00015 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/30/2011	0.0063 (O)	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	0.0068 (O)	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/13/2014	0.0046	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/10/2016	<0.0025	
12/1/2016	0.00068 (J)	
2/9/2017	0.0009 (J)	
4/7/2017	0.0011 (J)	
6/21/2017	0.00064 (J)	
8/15/2017	0.001 (J)	
9/1/2017	0.00089 (J)	
10/9/2017	0.00085 (J)	
3/22/2018	<0.0004 (o)	
10/4/2018	0.00048 (J)	
3/27/2019	0.0012 (J)	
9/11/2019	0.00085 (J)	
3/18/2020	0.0027	
9/9/2020	0.0043	
4/5/2021		0.0026



# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/3/2012	<0.0025	
11/11/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/23/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/22/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	0.00016 (J)	
3/18/2020	<0.0025	
9/9/2020	0.00023 (J)	
4/1/2021		0.00015 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
10/4/2016	<0.002	
4/4/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.00095 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.00074 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.002	
6/16/2010	<0.002	
7/26/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
10/5/2016	<0.002	
4/4/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0012 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/27/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	0.0021 (J)	
3/21/2018	<0.002	
10/2/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	0.0007 (J)	
4/1/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.002	
6/18/2010	<0.002	
7/29/2010	<0.002	
9/9/2010	<0.002	
4/26/2011	<0.002	
10/28/2011	<0.002	
5/4/2012	0.0024 (J)	
11/11/2012	<0.002	
5/8/2013	<0.002	
11/7/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/7/2016	<0.002	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/22/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	0.0021 (J)	
11/10/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
10/4/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	0.0025 (J)	
7/26/2010	0.0023 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00084 (J)	
3/18/2020	<0.002	
9/9/2020	0.00084 (J)	
4/1/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
10/4/2016	<0.002	
4/6/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.00069 (J)



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.002	
6/17/2010	<0.002	
7/27/2010	0.0021 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/24/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/5/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.003 (J)	
6/17/2010	<0.002	
7/28/2010	0.012 (O)	
9/7/2010	0.0026 (J)	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/10/2013	0.0042 (J)	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002 (D)	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0011 (J)	
3/18/2020	<0.002	
9/10/2020	0.00072 (J)	
4/6/2021		0.00088 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.002	
6/17/2010	0.0022 (J)	
7/28/2010	0.0033 (J)	
9/8/2010	<0.002	
4/28/2011	0.0037 (J)	
10/29/2011	<0.002	
5/3/2012	0.0031 (J)	
11/10/2012	0.0021 (J)	
5/10/2013	0.0025 (J)	
11/6/2013	0.0032 (J)	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/11/2015	0.002 (J)	
4/12/2016	<0.002	
10/6/2016	0.0022 (J)	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	0.0039	
9/10/2019	0.0017 (J)	
3/19/2020	<0.002	
9/10/2020	0.0011 (J)	
4/2/2021		0.0012 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.002	
6/18/2010	0.0026 (J)	
7/27/2010	0.0029 (J)	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	0.0037 (J)	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	<0.002	
5/21/2014	<0.002	
11/9/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
10/6/2016	<0.002	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00066 (J)	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/5/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.002	
6/18/2010	0.008 (O)	
7/28/2010	0.0021 (J)	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	0.0022 (J)	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	0.0022 (J)	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
10/6/2016	<0.002	
4/7/2017	<0.002	
10/6/2017	0.0026	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	0.00086 (J)	
3/19/2020	<0.002	
9/10/2020	0.0024	
4/1/2021		0.00094 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.0036 (J)	
6/19/2010	0.004 (J)	
7/28/2010	0.013	
9/8/2010	0.068	
4/30/2011	0.098	
10/27/2011	0.02	
5/4/2012	0.024	
11/11/2012	0.032	
5/10/2013	0.18	
11/7/2013	0.021	
5/21/2014	0.0089 (J)	
11/13/2014	0.1	
5/23/2015	0.048	
11/11/2015	0.059	
4/19/2016	0.0131 (J)	
10/10/2016	0.0046	
4/7/2017	<0.002	
10/9/2017	<0.002	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/27/2011	<0.002	
5/3/2012	0.0023	
11/11/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/23/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/6/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	0.0038	
10/2/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.0021 (J)	
6/16/2010	0.0028 (J)	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0032 (J)	
10/28/2011	0.0025 (J)	
5/2/2012	<0.001	
11/9/2012	0.0024 (J)	
5/8/2013	0.0051	
11/6/2013	0.0033 (J)	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0036 (J)	
11/9/2015	0.0039 (J)	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00016 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	0.0021 (J)	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0024 (J)	
10/28/2011	0.002 (J)	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0034 (J)	
11/6/2013	0.0028 (J)	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0032 (J)	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00022 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	0.0026 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	0.0036 (J)	
10/29/2011	0.0038 (J)	
5/3/2012	<0.001	
11/9/2012	0.0024 (J)	
5/9/2013	0.0085	
11/5/2013	0.0042 (J)	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	0.0044 (J)	
11/11/2015	0.0042 (J)	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	0.00067 (J)	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00023 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	0.0032 (J)	
10/27/2011	0.0027 (J)	
5/4/2012	<0.001	
11/10/2012	0.0025 (J)	
5/9/2013	0.0051	
11/6/2013	0.0037 (J)	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0037 (J)	
11/12/2015	0.0038 (J)	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/5/2016	<0.001	
12/1/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	0.0017	
9/10/2020	0.00014 (J)	
4/1/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.001	
6/18/2010	0.0021	
7/29/2010	<0.001	
9/9/2010	<0.001	
4/26/2011	<0.001	
10/28/2011	<0.001	
5/4/2012	<0.001	
11/11/2012	<0.001	
5/8/2013	0.0036	
11/7/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/7/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	0.00061 (J)	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.001	
6/16/2010	0.0022 (J)	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0029 (J)	
10/28/2011	0.0021 (J)	
5/2/2012	<0.001	
11/9/2012	0.002 (J)	
5/9/2013	0.0056	
11/6/2013	0.0035 (J)	
5/22/2014	<0.001	
11/8/2014	<0.001	
5/23/2015	0.0047 (J)	
11/10/2015	0.0044 (J)	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/8/2017	<0.001	
4/5/2017	0.0009 (J)	
6/21/2017	<0.001	
10/5/2017	0.0015	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00014 (J)

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	0.003 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	0.0037 (J)	
10/28/2011	0.003 (J)	
5/3/2012	<0.001	
11/9/2012	0.003 (J)	
5/9/2013	0.0063	
11/5/2013	0.0043 (J)	
5/22/2014	<0.001	
11/13/2014	0.0021 (J)	
5/24/2015	0.0043 (J)	
11/11/2015	0.0032 (J)	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00014 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.011	
6/17/2010	0.0027 (J)	
7/28/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0038 (J)	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	0.0029 (J)	
5/10/2013	0.0061	
11/6/2013	0.0025 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	0.0034 (J)	
11/10/2015	0.0021 (J)	
4/12/2016	<0.001 (D)	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/5/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	0.00037 (J)	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	0.002 (J)	
4/28/2011	0.0042 (J)	
10/29/2011	0.0036 (J)	
5/3/2012	<0.001	
11/10/2012	0.0023 (J)	
5/10/2013	0.0062	
11/6/2013	0.0043 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	0.0046 (J)	
11/11/2015	0.0028 (J)	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/19/2020	0.00019 (J)	
9/10/2020	<0.001	
4/2/2021		<0.001



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	0.0027 (J)	
7/28/2010	<0.001	
9/9/2010	0.002 (J)	
4/30/2011	0.0037 (J)	
10/29/2011	0.0025 (J)	
5/4/2012	<0.001	
11/10/2012	0.003 (J)	
5/9/2013	0.0064	
11/7/2013	0.0037 (J)	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0053 (J)	
11/11/2015	0.0022 (J)	
4/13/2016	<0.001 (D)	
6/20/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.00017 (J)	
4/1/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.001	
6/19/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	0.0023 (J)	
4/30/2011	0.011 (O)	
10/27/2011	0.0055	
5/4/2012	0.0029 (J)	
11/11/2012	0.0052	
5/10/2013	0.023 (O)	
11/7/2013	0.0083	
5/21/2014	<0.001	
11/13/2014	0.0085	
5/23/2015	0.0077	
11/11/2015	0.008	
4/19/2016	<0.001	
10/10/2016	<0.001	
12/1/2016	0.00047 (J)	
2/9/2017	0.0012 (J)	
4/7/2017	<0.001	
6/21/2017	<0.001	
8/15/2017	<0.001	
9/1/2017	<0.001	
10/9/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00034 (J)

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0002	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	7E-05 (J)	
11/5/2013	<0.0002	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/22/2015	7.2E-05 (J)	
11/11/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (D)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	7.4E-05 (J)	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	8E-05 (J)	
11/6/2013	0.00014	
5/20/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/9/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/4/2016	<0.0002	
11/29/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0002	
6/16/2010	<0.0002	
7/26/2010	<0.0002	
9/7/2010	7.8E-05 (J)	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/6/2013	0.00011	
5/20/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	7.1E-05 (J)	
11/9/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	<0.0002	
4/28/2011	<0.0002	
10/29/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	7.3E-05 (J)	
5/23/2014	<0.0002	
11/13/2014	<0.0002	
5/23/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	7E-05 (J)	
4/5/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	8.8E-05 (J)	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	0.00011 (J)	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/23/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/5/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	7.6E-05 (J)	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/8/2010	<0.0002	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00019	
11/6/2013	0.00014	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/5/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/1/2021		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	8.2E-05 (J)	
6/18/2010	<0.0002	
7/29/2010	<0.0002	
9/9/2010	<0.0002	
4/26/2011	<0.0002	
10/28/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/8/2013	<0.0002	
11/7/2013	0.0001	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/7/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	9.1E-05 (J)	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/8/2013	<0.0002	
11/5/2013	0.00016	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/4/2016	<0.0002	
12/1/2016	<0.0002	
2/7/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/26/2010	<0.0002	
9/7/2010	<0.0002	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/6/2013	<0.0002	
5/23/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/10/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/8/2017	8.9E-05	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	0.00011	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/8/2014	<0.0002	
5/23/2015	<0.0002	
11/10/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/8/2017	7.6E-05 (J)	
4/5/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/9/2020	<0.0002	
6/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0002	
6/19/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	9.3E-05	
4/28/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	0.00011	
5/22/2014	<0.0002	
11/13/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	8.5E-05	
6/17/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	0.0001	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/10/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	7.5E-05 (J)	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
6/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/28/2010	<0.0002	
9/7/2010	0.00012	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/10/2013	0.00014	
11/6/2013	0.00014	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/22/2015	<0.0002	
11/10/2015	<0.0002	
4/12/2016	<0.0002 (D)	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/5/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	<0.0002	
4/28/2011	<0.0002	
10/29/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/10/2013	0.00012	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/22/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/6/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/21/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0002	
6/18/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	<0.0002	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00016	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/19/2016	<0.0002	
6/22/2016	<0.0002	
8/16/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.0002	
6/18/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	0.00017	
4/30/2011	<0.0002	
10/29/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00014	
11/7/2013	0.00011	
5/21/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/6/2016	<0.0002	
11/30/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/6/2017	<0.0002	
3/21/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
6/2/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0002	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/29/2011	7E-05 (J)	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	<0.0002	
11/7/2013	0.00016	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/20/2016	<0.0002	
8/15/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/4/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/19/2020	0.00011 (J)	
9/10/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0002	
6/19/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	0.00011 (J)	
4/30/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/10/2013	0.00014	
11/7/2013	0.00019	
5/21/2014	<0.0002	
11/13/2014	<0.0002	
5/23/2015	<0.0002	
11/11/2015	<0.0002	
4/19/2016	<0.0002	
10/10/2016	0.000155 (D)	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/21/2017	<0.0002	
8/15/2017	<0.0002	
9/1/2017	<0.0002	
10/9/2017	8.9E-05 (J)	
3/22/2018	<0.0002 (X)	
10/4/2018	<0.0002	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
6/1/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/8/2010	<0.0002	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/3/2012	<0.0002	
11/11/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	8.8E-05	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/23/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/22/2016	<0.0002	
8/15/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/28/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/8/2013	<0.0018	
11/5/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/6/2016	0.00202 (J)	
10/4/2016	<0.0018	
4/4/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.00081 (J)	
3/18/2020	0.00043 (J)	
9/9/2020	0.00069 (J)	
4/1/2021		0.00049 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
10/4/2016	<0.001	
4/4/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	0.04 (O)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00037 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
10/5/2016	<0.001	
4/4/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.0012	
3/18/2020	<0.001	
9/9/2020	0.00048 (J)	
4/1/2021		0.0004 (J)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	0.0086 (O)	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/23/2014	<0.0018	
11/13/2014	<0.0018	
5/23/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/4/2016	<0.0018	
4/5/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.00065 (J)	
3/18/2020	0.00056 (J)	
9/9/2020	0.00047 (J)	
4/1/2021		0.00073 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/11/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/21/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	0.00271	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	0.0018 (J)	
3/27/2019	<0.0018	
9/11/2019	0.0016	
3/18/2020	0.0016	
9/9/2020	0.0021	
4/1/2021		0.0012

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.00066 (J)	
3/18/2020	0.0005 (J)	
9/10/2020	0.0012	
4/1/2021		0.00065 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00084 (J)	
3/18/2020	0.0006 (J)	
9/10/2020	0.00088 (J)	
4/1/2021		0.00065 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/29/2010	<0.0018	
9/9/2010	<0.0018	
4/26/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/11/2012	<0.0018	
5/8/2013	<0.0018	
11/7/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/7/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/22/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00039 (J)	
3/18/2020	0.00061 (J)	
9/10/2020	0.00044 (J)	
4/6/2021		0.00053 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/23/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0045 (O)	
11/10/2015	<0.001	
4/11/2016	<0.001	
10/5/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	0.00048 (J)	
3/18/2020	0.00034 (J)	
9/9/2020	0.00064 (J)	
4/1/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/8/2014	<0.0018	
5/23/2015	0.01 (O)	
11/10/2015	<0.0018	
4/11/2016	<0.0018	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/12/2019	0.0015	
3/19/2020	0.00047 (J)	
9/9/2020	0.00039 (J)	
4/5/2021		0.00047 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.0033 (O)	
6/19/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/22/2014	<0.0018	
11/13/2014	<0.0018	
5/24/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	0.00206 (J)	
10/4/2016	0.0023 (J)	
4/6/2017	<0.0018	
10/4/2017	0.0021 (J)	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.0022	
3/18/2020	0.0016	
9/9/2020	0.0016	
4/1/2021		0.0022



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	0.003 (J)	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0063 (O)	
11/10/2015	<0.0018	
4/12/2016	<0.0018	
10/5/2016	<0.0018	
4/6/2017	0.002 (J)	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/12/2019	0.00097 (J)	
3/19/2020	0.00098 (J)	
9/10/2020	0.00098 (J)	
4/5/2021		0.00048 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	0.019 (O)	
9/7/2010	0.0093 (O)	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	0.0035 (J)	
5/10/2013	0.0081 (O)	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/10/2015	<0.0018	
4/12/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	0.0022 (J)	
10/3/2018	0.0018 (J)	
3/26/2019	<0.0018	
9/10/2019	0.0016	
3/18/2020	0.00091 (J)	
9/10/2020	0.0014	
4/6/2021		0.0018

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/28/2011	<0.0018	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/10/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	0.0021 (J)	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	0.0036	
9/10/2019	0.00079 (J)	
3/19/2020	0.00073 (J)	
9/10/2020	0.0013	
4/2/2021		0.0012

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.006 (O)	
11/11/2015	<0.0018	
4/19/2016	0.00268 (J)	
10/6/2016	<0.0018	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0018	
3/22/2018	0.0019 (J)	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.0007 (J)	
3/18/2020	0.00068 (J)	
9/9/2020	0.00039 (J)	
4/1/2021		0.00042 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.0034	
6/18/2010	0.0046	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/29/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	0.0053	
5/9/2013	<0.0018	
11/7/2013	<0.0018	
5/21/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0047	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00099 (J)	
3/18/2020	0.00062 (J)	
9/10/2020	0.0009 (J)	
4/5/2021		0.00088 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0044	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/7/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	0.00046 (J)	
3/19/2020	<0.001	
9/10/2020	0.0007 (J)	
4/1/2021		0.00036 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0018	
6/19/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/30/2011	0.008 (O)	
10/27/2011	0.0044 (J)	
5/4/2012	0.0032 (J)	
11/11/2012	0.0069	
5/10/2013	0.0093 (O)	
11/7/2013	0.0033 (J)	
5/21/2014	<0.0018	
11/13/2014	0.0049 (J)	
5/23/2015	0.003 (J)	
11/11/2015	<0.0018	
4/19/2016	0.00247 (J)	
10/10/2016	<0.0018	
4/7/2017	0.0022 (J)	
10/9/2017	<0.0018	
3/22/2018	<0.0018	
10/4/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.0013	
3/18/2020	0.0044	
9/9/2020	0.0036	
4/5/2021		0.0058

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/27/2011	<0.001	
5/3/2012	<0.001	
11/11/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	0.00063 (J)	
3/18/2020	<0.001	
9/9/2020	0.00046 (J)	
4/1/2021		0.00058 (J)



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/4/2016	<0.005	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/4/2017	0.00067 (J)	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	0.0043	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/4/2016	<0.005	
11/29/2016	0.00024 (J)	
2/7/2017	<0.005	
4/4/2017	0.0017	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	0.0044	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/7/2017	<0.005	
4/4/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	0.00027 (J)	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	0.0053	
11/11/2015	<0.005	
4/12/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/4/2016	0.00037 (J)	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/5/2017	<0.005	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (X)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.005	
6/16/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	0.0043	
11/12/2015	0.0046	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	0.005	
11/12/2015	0.0042	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	0.00031 (J)	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	0.004	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/5/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.0052	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/4/2016	<0.005	
12/1/2016	0.00025 (J)	
2/7/2017	<0.005	
4/6/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/23/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	0.0041	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/8/2014	<0.005	
5/23/2015	<0.005	
11/10/2015	0.0044	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/8/2017	<0.005	
4/5/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.005	
6/19/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/22/2014	<0.005	
11/13/2014	<0.005	
5/24/2015	0.0044	
11/11/2015	0.0045	
4/12/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/4/2016	<0.005	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/6/2017	0.0023	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (X)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.005	
6/17/2010	<0.005	
7/28/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005 (D)	
6/20/2016	<0.005	
8/12/2016	0.00036 (J)	
10/5/2016	<0.005	
11/30/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.007	
4/12/2016	<0.005	
6/20/2016	0.00032 (J)	
8/12/2016	0.00035 (J)	
10/6/2016	0.00029 (J)	
11/30/2016	0.00026 (J)	
2/9/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	0.00031 (J)	
10/6/2017	<0.005	
3/21/2018	<0.005 (X)	
10/3/2018	0.00056 (J)	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	0.0053	
11/11/2015	0.0049	
4/13/2016	<0.005 (D)	
6/20/2016	<0.005	
8/15/2016	<0.005	
10/6/2016	<0.005	
12/1/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/6/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.005	
6/19/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/30/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/10/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	0.0045	
11/11/2015	0.0043	
4/19/2016	<0.005	
10/10/2016	<0.005	
12/1/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/21/2017	<0.005	
8/15/2017	<0.005	
9/1/2017	0.00044 (J)	
10/9/2017	<0.005	
3/22/2018	0.00032 (J)	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/3/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	0.0065	
4/13/2016	<0.005 (D)	
6/22/2016	<0.005	
8/15/2016	<0.005	
10/6/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (X)	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005



# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	0.00025 (J)	
4/1/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0003	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00021 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00023 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00049 (J)	
9/9/2020	<0.001	
4/1/2021		0.00027 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/8/2014	<0.001	
5/23/2015	<0.001	
11/10/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/8/2017	<0.001	
4/5/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00032 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/22/2014	<0.001	
11/13/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00025 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/10/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/19/2020	0.00036 (J)	
9/10/2020	<0.001	
4/2/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/9/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/5/2021		0.0003 (J)



# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	0.00027	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	0.00026	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
6/20/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.00019 (J)	
4/1/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.001	
6/19/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/30/2011	<0.001	
10/27/2011	<0.001	
5/4/2012	<0.001	
11/11/2012	<0.001	
5/10/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/19/2016	<0.001	
10/10/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/21/2017	<0.001	
8/15/2017	<0.001	
9/1/2017	<0.001	
10/9/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00081 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	0.0035 (J)	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
10/4/2016	0.0031	
4/4/2017	<0.001	
10/4/2017	0.0021 (J)	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.0022	
3/18/2020	0.0011	
9/9/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.0049 (J)	
6/16/2010	0.0054 (J)	
7/27/2010	0.0055 (J)	
9/7/2010	0.005 (J)	
4/29/2011	0.005 (J)	
10/28/2011	0.0081 (J)	
5/2/2012	0.0059 (J)	
11/9/2012	0.0062 (J)	
5/8/2013	0.0079 (J)	
11/6/2013	0.0068 (J)	
5/20/2014	0.0074 (J)	
11/8/2014	0.0097 (J)	
5/22/2015	0.0085 (J)	
11/9/2015	<0.01	
4/6/2016	0.00726 (J)	
10/4/2016	0.013	
4/4/2017	0.0046	
10/5/2017	0.0071	
3/20/2018	0.0067	
10/2/2018	0.0069	
3/26/2019	0.007	
9/10/2019	0.01	
3/18/2020	0.0078	
9/9/2020	0.0072	
4/1/2021		0.0078

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	0.0024 (J)	
6/16/2010	0.002 (J)	
7/26/2010	<0.01	
9/7/2010	0.0026 (J)	
4/29/2011	0.0036 (J)	
10/28/2011	<0.01	
5/2/2012	0.003 (J)	
11/9/2012	0.0081 (J)	
5/8/2013	<0.01	
11/6/2013	0.0032 (J)	
5/20/2014	0.0036 (J)	
11/8/2014	0.0065 (J)	
5/22/2015	<0.01	
11/9/2015	0.0047 (J)	
4/6/2016	0.00424 (J)	
10/5/2016	0.0049	
4/4/2017	0.0048	
10/5/2017	0.0024 (J)	
3/20/2018	0.0041	
10/2/2018	0.004	
3/26/2019	0.0051	
9/10/2019	0.0091	
3/18/2020	0.0051	
9/9/2020	0.0053	
4/1/2021		0.005

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	0.012	
6/17/2010	0.0082 (J)	
7/27/2010	0.0096 (J)	
9/9/2010	0.0098 (J)	
4/28/2011	0.0085 (J)	
10/29/2011	0.011	
5/3/2012	0.013	
11/9/2012	0.013	
5/9/2013	0.012	
11/5/2013	0.015	
5/23/2014	0.015	
11/13/2014	0.02	
5/23/2015	0.018	
11/11/2015	0.018	
4/12/2016	0.0173	
10/4/2016	0.021	
4/5/2017	0.017	
10/4/2017	0.02	
3/20/2018	0.016	
10/2/2018	0.017	
3/26/2019	0.017	
9/10/2019	0.02	
3/18/2020	0.02	
9/9/2020	0.018	
4/1/2021		0.019

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.01	
7/28/2010	0.011	
9/8/2010	0.011	
4/29/2011	0.01	
10/27/2011	0.014	
5/4/2012	0.0096 (J)	
11/11/2012	0.011	
5/9/2013	0.011	
11/5/2013	0.013	
5/21/2014	0.012	
11/12/2014	0.016	
5/23/2015	0.011	
11/12/2015	0.0053 (J)	
4/13/2016	0.0124 (D)	
10/5/2016	0.013	
4/6/2017	0.013	
10/5/2017	0.015	
3/21/2018	0.012	
10/2/2018	0.012	
3/27/2019	0.012	
9/11/2019	0.017	
3/18/2020	0.013	
9/9/2020	0.012	
4/1/2021		0.013

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	0.009 (J)	
6/16/2010	0.0089 (J)	
7/27/2010	0.0089 (J)	
9/8/2010	0.009 (J)	
4/29/2011	0.0082 (J)	
10/27/2011	0.009 (J)	
5/4/2012	0.0091 (J)	
11/10/2012	0.0096 (J)	
5/9/2013	0.01	
11/6/2013	0.01	
5/20/2014	0.011	
11/12/2014	0.012	
5/24/2015	0.012	
11/12/2015	<0.01	
4/13/2016	0.00976 (JD)	
10/5/2016	0.013	
4/6/2017	0.011	
10/5/2017	0.013	
3/21/2018	0.0098	
10/2/2018	0.01	
3/27/2019	0.012	
9/11/2019	0.015	
3/18/2020	0.011	
9/10/2020	0.01	
4/1/2021		0.011



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	0.0032 (J)	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/5/2016	<0.001	
4/5/2017	<0.001	
10/5/2017	0.0022 (J)	
3/21/2018	<0.0014 (JX)	
10/2/2018	<0.001	
3/26/2019	0.0029	
9/11/2019	0.0052	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0014	
6/18/2010	<0.0014	
7/29/2010	<0.0014	
9/9/2010	<0.0014	
4/26/2011	<0.0014	
10/28/2011	<0.0014	
5/4/2012	<0.0014	
11/11/2012	<0.0014	
5/8/2013	0.0039 (J)	
11/7/2013	<0.0014	
5/20/2014	<0.0014	
11/12/2014	0.004 (J)	
5/24/2015	<0.0014	
11/12/2015	<0.0014	
4/13/2016	<0.0014 (D)	
10/7/2016	<0.0014	
4/6/2017	<0.0014	
10/6/2017	0.0032	
3/22/2018	<0.0014	
10/3/2018	<0.0014	
3/26/2019	0.0041	
9/11/2019	0.0062	
3/18/2020	0.001	
9/10/2020	0.0011	
4/6/2021		0.0028

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/4/2016	0.0026	
4/6/2017	<0.001	
10/5/2017	0.0024 (J)	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	0.0034	
9/11/2019	0.0062	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		0.0013

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	0.0052 (J)	
6/16/2010	0.0059 (J)	
7/26/2010	0.0052 (J)	
9/7/2010	0.0056 (J)	
4/29/2011	0.005 (J)	
10/28/2011	0.0048 (J)	
5/2/2012	0.0057 (J)	
11/9/2012	0.0057 (J)	
5/8/2013	0.0069 (J)	
11/6/2013	0.0052 (J)	
5/23/2014	0.0081 (J)	
11/8/2014	0.01	
5/22/2015	0.0052 (J)	
11/10/2015	<0.01	
4/11/2016	0.00604 (J)	
10/5/2016	0.0075	
4/6/2017	0.0065	
10/5/2017	0.0052	
3/20/2018	0.0064	
10/2/2018	0.0064	
3/26/2019	0.0094	
9/11/2019	0.011	
3/18/2020	0.0075	
9/9/2020	0.007	
4/1/2021		0.0081

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.0064 (J)	
6/16/2010	0.0061 (J)	
7/27/2010	0.006 (J)	
9/7/2010	0.0066 (J)	
4/29/2011	0.0066 (J)	
10/28/2011	0.0057 (J)	
5/2/2012	0.006 (J)	
11/9/2012	0.0073 (J)	
5/9/2013	0.0069 (J)	
11/6/2013	0.0077 (J)	
5/22/2014	0.0075 (J)	
11/8/2014	0.0081 (J)	
5/23/2015	0.01	
11/10/2015	0.0033 (J)	
4/11/2016	0.00756 (J)	
10/5/2016	0.0084	
4/5/2017	0.0086	
10/5/2017	0.0062	
3/20/2018	0.0072	
10/2/2018	0.0073	
3/26/2019	0.0094	
9/12/2019	0.0083	
3/19/2020	0.008	
9/9/2020	0.0071	
4/5/2021		0.0068

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.0078 (J)	
6/19/2010	<0.01	
7/27/2010	0.0096 (J)	
9/9/2010	0.0095 (J)	
4/28/2011	0.01	
10/28/2011	0.014	
5/3/2012	0.013	
11/9/2012	0.012	
5/9/2013	0.012	
11/5/2013	0.014	
5/22/2014	0.013	
11/13/2014	0.016	
5/24/2015	0.014	
11/11/2015	0.014	
4/12/2016	0.0155	
10/4/2016	0.017	
4/6/2017	0.015	
10/4/2017	0.015	
3/20/2018	0.014	
10/2/2018	0.015	
3/26/2019	0.016	
9/10/2019	0.018	
3/18/2020	0.016	
9/9/2020	0.014	
4/1/2021		0.014

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	0.014	
6/17/2010	0.014	
7/27/2010	0.016	
9/7/2010	0.017	
4/29/2011	0.015	
10/28/2011	0.016	
5/3/2012	0.016	
11/10/2012	0.018	
5/9/2013	0.019	
11/6/2013	0.019	
5/22/2014	0.018	
11/9/2014	0.02	
5/24/2015	0.016	
11/10/2015	0.01	
4/12/2016	0.019	
10/5/2016	<0.016	
4/6/2017	0.02	
10/5/2017	0.02	
3/21/2018	0.021	
10/3/2018	0.017	
3/26/2019	0.018	
9/12/2019	0.02	
3/19/2020	0.019	
9/10/2020	0.018	
4/5/2021		0.017

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.0046 (J)	
6/17/2010	0.0046 (J)	
7/28/2010	0.019 (O)	
9/7/2010	0.0072 (J)	
4/29/2011	0.0052 (J)	
10/28/2011	0.0059 (J)	
5/3/2012	0.0049 (J)	
11/9/2012	0.007 (J)	
5/10/2013	0.0094 (J)	
11/6/2013	0.0059 (J)	
5/22/2014	0.0057 (J)	
11/9/2014	0.0069 (J)	
5/22/2015	0.006 (J)	
11/10/2015	0.011	
4/12/2016	0.00503 (JD)	
10/5/2016	<0.0072	
4/6/2017	0.0056	
10/5/2017	0.0061	
3/21/2018	0.0097	
10/3/2018	0.0053	
3/26/2019	0.0076	
9/10/2019	0.0078	
3/18/2020	0.0051	
9/10/2020	0.0061	
4/6/2021		0.0075



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	0.0068 (J)	
6/17/2010	0.0079 (J)	
7/28/2010	0.0077 (J)	
9/8/2010	0.0077 (J)	
4/28/2011	0.0099 (J)	
10/29/2011	0.006 (J)	
5/3/2012	0.0084 (J)	
11/10/2012	0.0061 (J)	
5/10/2013	0.009 (J)	
11/6/2013	0.0089 (J)	
5/22/2014	0.0084 (J)	
11/9/2014	0.0076 (J)	
5/22/2015	0.011	
11/11/2015	0.0034 (J)	
4/12/2016	0.00654 (J)	
10/6/2016	<0.0086	
4/6/2017	0.0073	
10/6/2017	0.0087	
3/21/2018	0.0058	
10/3/2018	0.006	
3/26/2019	0.011	
9/10/2019	0.0086	
3/19/2020	0.0065	
9/10/2020	0.0068	
4/2/2021		0.0081

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	0.0038 (J)	
6/18/2010	0.0044 (J)	
7/27/2010	0.0054 (J)	
9/9/2010	0.0053 (J)	
4/29/2011	0.0039 (J)	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	0.0035 (J)	
5/9/2013	0.004 (J)	
11/6/2013	0.0034 (J)	
5/22/2014	0.0047 (J)	
11/9/2014	0.0067 (J)	
5/24/2015	0.0033 (J)	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/6/2016	<0.0025	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0025	
3/22/2018	0.0018 (J)	
10/3/2018	0.0018 (J)	
3/27/2019	0.002 (J)	
9/11/2019	0.0047	
3/18/2020	0.002	
9/9/2020	0.002	
4/1/2021		0.0027

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.0055	
6/18/2010	0.0071 (J)	
7/27/2010	0.0085 (J)	
9/9/2010	0.0088 (J)	
4/30/2011	0.0094 (J)	
10/29/2011	0.009 (J)	
5/4/2012	0.0084 (J)	
11/10/2012	0.0089 (J)	
5/9/2013	0.0071 (J)	
11/7/2013	0.0094 (J)	
5/21/2014	0.0082 (J)	
11/9/2014	0.013	
5/24/2015	0.009 (J)	
11/11/2015	0.0052	
4/12/2016	0.00896 (J)	
10/6/2016	<0.009	
4/6/2017	0.0089	
10/6/2017	0.011	
3/21/2018	0.0077	
10/3/2018	0.0081	
3/26/2019	0.012	
9/11/2019	0.012	
3/18/2020	0.0099	
9/10/2020	0.0094	
4/5/2021		0.0091

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	0.011	
6/18/2010	0.017	
7/28/2010	0.012	
9/9/2010	0.013	
4/30/2011	0.012	
10/29/2011	0.013	
5/4/2012	0.012	
11/10/2012	0.012	
5/9/2013	0.013	
11/7/2013	0.014	
5/21/2014	0.013	
11/12/2014	0.015	
5/24/2015	0.015	
11/11/2015	0.0055 (J)	
4/13/2016	0.0127 (D)	
10/6/2016	<0.012	
4/7/2017	0.013	
10/6/2017	0.015	
3/22/2018	0.012	
10/4/2018	0.012	
3/27/2019	0.013	
9/11/2019	0.015	
3/19/2020	0.014	
9/10/2020	0.014	
4/1/2021		0.014

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.013	
6/19/2010	0.0075 (J)	
7/28/2010	0.01	
9/8/2010	0.038	
4/30/2011	0.053 (O)	
10/27/2011	0.016	
5/4/2012	0.018	
11/11/2012	0.025	
5/10/2013	0.09 (O)	
11/7/2013	0.02	
5/21/2014	0.016	
11/13/2014	0.065 (O)	
5/23/2015	0.032	
11/11/2015	0.033	
4/19/2016	0.0233	
10/10/2016	0.019 (D)	
4/7/2017	0.0044	
10/9/2017	0.0047	
3/22/2018	0.0043	
10/4/2018	<0.001	
3/27/2019	0.003	
9/11/2019	0.0042	
3/18/2020	0.0031	
9/9/2020	<0.001	
4/5/2021		0.0023

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	0.0097 (J)	
6/16/2010	0.01	
7/27/2010	0.012	
9/8/2010	0.013	
4/29/2011	0.0097 (J)	
10/27/2011	0.015	
5/3/2012	0.017	
11/11/2012	0.017	
5/9/2013	0.014	
11/6/2013	0.019	
5/21/2014	0.016	
11/12/2014	0.022	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0144 (D)	
10/6/2016	<0.02	
4/6/2017	0.016	
10/5/2017	0.024	
3/21/2018	0.018	
10/2/2018	0.021	
3/27/2019	0.019	
9/11/2019	0.025	
3/18/2020	0.012	
9/9/2020	0.022	
4/1/2021		0.0095

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/6/2016	<0.005	
10/4/2016	<0.005	
4/4/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.006	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	<0.005	
10/4/2016	<0.005	
4/4/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0047 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	0.00274 (J)	
10/5/2016	0.0073 (J)	
4/4/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0084	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/4/2016	<0.005	
4/5/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0038 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.005	
6/16/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.004 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	0.00241 (JD)	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	0.007 (J)	
10/2/2018	0.022 (O)	
3/27/2019	<0.005	
9/11/2019	0.0072	
3/18/2020	<0.005	
9/10/2020	0.018	
4/1/2021		0.0034 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	0.00409 (JD)	
10/5/2016	<0.005	
4/5/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0065	
3/18/2020	0.005	
9/10/2020	0.0037 (J)	
4/1/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0065	
6/18/2010	<0.0065	
7/29/2010	<0.0065	
9/9/2010	<0.0065	
4/26/2011	<0.0065	
10/28/2011	<0.0065	
5/4/2012	<0.0065	
11/11/2012	<0.0065	
5/8/2013	<0.0065	
11/7/2013	<0.0065	
5/20/2014	<0.0065	
11/12/2014	<0.0065	
5/24/2015	<0.0065	
11/12/2015	<0.0065	
4/13/2016	0.00289 (JD)	
10/7/2016	<0.0065	
4/6/2017	<0.0065	
10/6/2017	0.0071 (J)	
3/22/2018	<0.0065	
10/3/2018	<0.0065	
3/26/2019	<0.0065	
9/11/2019	0.0085	
3/18/2020	0.0052	
9/10/2020	0.0038 (J)	
4/6/2021		0.004 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/13/2016	<0.005 (D)	
10/4/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0038 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/23/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/11/2016	<0.005	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0077	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/8/2014	<0.005	
5/23/2015	<0.005	
11/10/2015	<0.005	
4/11/2016	<0.005	
10/5/2016	0.0085 (O)	
4/5/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	0.0059	
3/19/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.005	
6/19/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/22/2014	<0.005	
11/13/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/4/2016	<0.005	
4/6/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.004 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	0.0065	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.018 (O)	
6/17/2010	<0.005	
7/28/2010	0.016 (O)	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005 (D)	
10/5/2016	0.01 (O)	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0069	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.005	
6/17/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	0.00203 (J)	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/6/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.006	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.0089 (J)	
4/19/2016	0.0133 (O)	
10/6/2016	<0.005	
4/6/2017	0.0087 (J)	
10/5/2017	0.0078 (J)	
3/22/2018	0.0086 (J)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0074	
3/18/2020	0.0045 (J)	
9/9/2020	<0.005	
4/1/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/6/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0062	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/13/2016	<0.005 (D)	
10/6/2016	<0.005	
4/7/2017	<0.005	
10/6/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0074	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.005	
6/19/2010	0.0081 (J)	
7/28/2010	0.017 (J)	
9/8/2010	0.085	
4/30/2011	0.13 (O)	
10/27/2011	0.03	
5/4/2012	0.029	
11/11/2012	0.046	
5/10/2013	0.23 (O)	
11/7/2013	0.028	
5/21/2014	0.015 (J)	
11/13/2014	0.13 (O)	
5/23/2015	0.059	
11/11/2015	0.079	
4/19/2016	0.0218	
10/10/2016	0.013 (J)	
4/7/2017	<0.005	
10/9/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0052	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/3/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0037 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

FIGURE H.

# Appendix I Interwell Prediction Limits - Intrawell Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

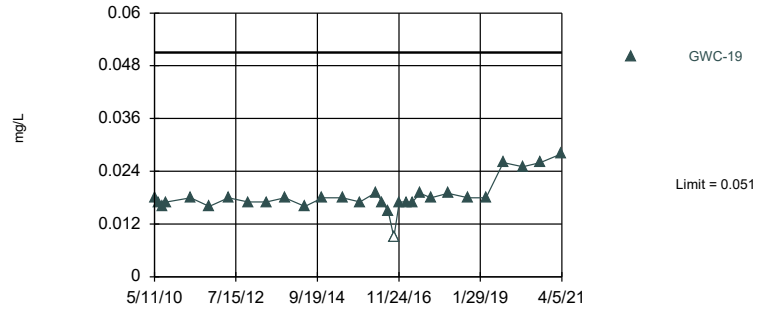
# Appendix I Interwell Prediction Limits - Intrawell Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.051	n/a	4/5/2021	0.028	No	90	n/a	n/a	2.222	n/a	n/a	0.0002346	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit  
 Interwell Non-parametric

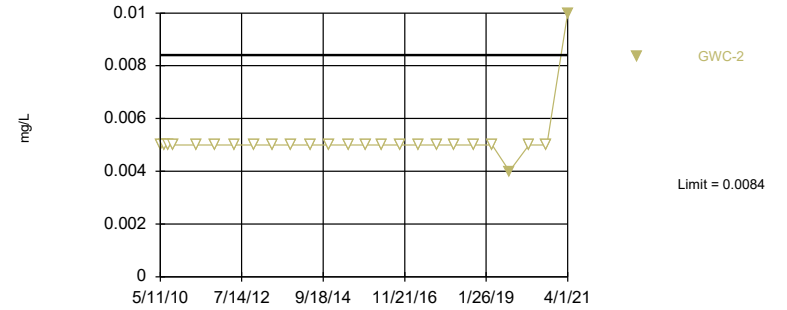


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 90 background values. 2.222% NDs. Annual per-constituent alpha = 0.007944. Individual comparison alpha = 0.0002346 (1 of 2). Assumes 16 future values.

Constituent: Barium, Total Analysis Run 6/24/2021 11:33 AM View: Appendix I Exceedances  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit: GWC-2

Prediction Limit  
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 75 background values. 93.33% NDs. Annual per-constituent alpha = 0.0114. Individual comparison alpha = 0.000337 (1 of 2). Assumes 16 future values.

Constituent: Zinc Analysis Run 6/24/2021 11:33 AM View: Appendix I Exceedances  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 11:35 AM View: Appendix I Exceedances

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-19
5/8/2010	0.048 (J)			
5/9/2010		0.01 (J)	0.031 (J)	
5/11/2010				0.018 (J)
6/16/2010	0.044 (J)		0.029 (J)	0.017 (J)
6/18/2010		0.01 (J)		
7/26/2010	0.042 (J)			
7/27/2010			0.029 (J)	0.016 (J)
7/28/2010		0.011 (J)		
9/7/2010	0.04 (J)		0.028 (J)	0.017 (J)
9/9/2010		0.011 (J)		
4/29/2011	0.038 (J)		0.026 (J)	0.018 (J)
4/30/2011		0.0091 (J)		
10/28/2011	0.034	0.0096 (J)	0.025	0.016
5/2/2012	0.03	0.012	0.025	0.018
11/9/2012	0.039 (V)	0.012 (V)	0.028 (V)	0.017 (V)
5/8/2013	0.034	0.01	0.029	
5/9/2013				0.017
11/5/2013		0.0098 (J)		
11/6/2013	0.032		0.026	0.018 (V)
5/20/2014	0.03	0.0081 (J)	0.025	
5/22/2014				0.016
11/8/2014	0.031		0.026	0.018
11/12/2014		0.0098 (J)		
5/22/2015	0.033	0.0088 (J)	0.026	
5/23/2015				0.018
11/9/2015	0.034		0.024	
11/10/2015				0.017
11/11/2015		0.011		
4/6/2016	0.0347	0.00959 (J)	0.026	
4/11/2016				0.0191
6/15/2016	0.029	0.0091 (J)	0.023	
6/16/2016				0.017
8/10/2016	0.027	0.009	0.022	
8/11/2016				0.015
10/4/2016		<0.018	0.024	
10/5/2016	<0.018			<0.018
11/29/2016	0.024		0.023	0.017
11/30/2016		0.011		
2/7/2017	0.029	0.0099	0.024	
2/8/2017				0.017
4/4/2017	0.03	0.0092	0.022	
4/5/2017				0.017
6/20/2017	0.036	0.0099	0.025	
6/21/2017				0.019
10/4/2017		0.0098		
10/5/2017	0.027		0.023	0.018
3/20/2018	0.027	0.01	0.023	0.019
10/2/2018	0.027	0.0099	0.023	0.018
3/26/2019	0.031	0.0099	0.024	0.018
9/10/2019	0.051	0.011	0.039	
9/12/2019				0.026
3/18/2020	0.031	0.01	0.027	

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 11:35 AM View: Appendix I Exceedances  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-19
3/19/2020				0.025
9/9/2020	0.033	0.01	0.024	0.026
4/1/2021	0.029	0.0092 (J)	0.024	
4/5/2021				0.028



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 11:35 AM View: Appendix I Exceedances

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-2
5/8/2010	<0.005			
5/9/2010		<0.005	<0.005	
5/11/2010				<0.005
6/16/2010	<0.005		<0.005	
6/18/2010		<0.005		
6/19/2010				<0.005
7/26/2010	<0.005			
7/27/2010			<0.005	<0.005
7/28/2010		<0.005		
9/7/2010	<0.005		<0.005	
9/9/2010		<0.005		<0.005
4/28/2011				<0.005
4/29/2011	<0.005		<0.005	
4/30/2011		<0.005		
10/28/2011	<0.005	<0.005	<0.005	<0.005
5/2/2012	<0.005	<0.005	<0.005	
5/3/2012				<0.005
11/9/2012	<0.005	<0.005	<0.005	<0.005
5/8/2013	<0.005	<0.005	<0.005	
5/9/2013				<0.005
11/5/2013		<0.005		<0.005
11/6/2013	<0.005		<0.005	
5/20/2014	<0.005	<0.005	<0.005	
5/22/2014				<0.005
11/8/2014	<0.005		<0.005	
11/12/2014		<0.005		
11/13/2014				<0.005
5/22/2015	<0.005	<0.005	<0.005	
5/24/2015				<0.005
11/9/2015	<0.005		<0.005	
11/11/2015		<0.005		<0.005
4/6/2016	0.00274 (J)	<0.005	<0.005	
4/12/2016				<0.005
10/4/2016		<0.005	<0.005	<0.005
10/5/2016	0.0073 (J)			
4/4/2017	<0.005	<0.005	<0.005	
4/6/2017				<0.005
10/4/2017		<0.005		<0.005
10/5/2017	<0.005		<0.005	
3/20/2018	<0.005	<0.005 (D)	<0.005	<0.005
10/2/2018	<0.005	<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005
9/10/2019	0.0084	0.006	0.0047 (J)	0.004 (J)
3/18/2020	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005
4/1/2021	<0.005	<0.005	<0.005	0.01

FIGURE I.

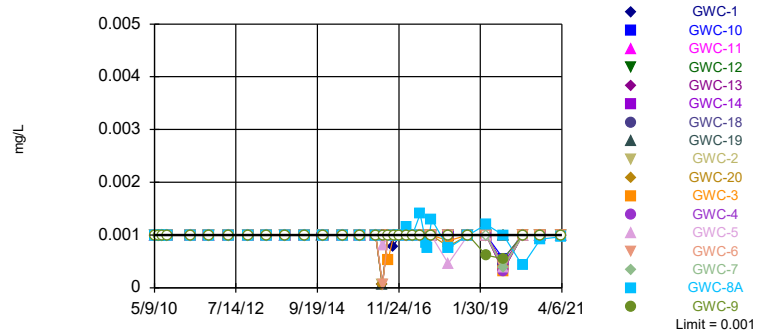
# Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-10	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-11	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-12	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-13	0.001	n/a	4/6/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-14	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-18	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-19	0.001	n/a	4/5/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-20	0.001	n/a	4/5/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-3	0.001	n/a	4/6/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-5	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-6	0.001	n/a	4/5/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-8A	0.001	n/a	4/5/2021	0.00097J	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-9	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.001ND	No	75	n/a	n/a	100	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	4/6/2021	0.001ND	No	75	n/a	n/a	100	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	4/5/2021	0.001ND	No	75	n/a	n/a	100	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit  
 Interwell Non-parametric

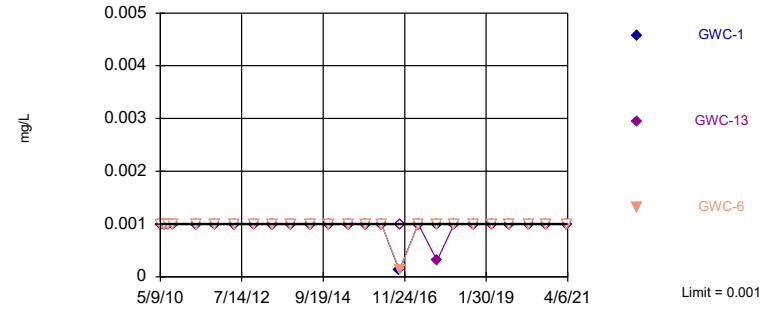


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 96.67% NDs. Annual per-constituent alpha = 0.007944. Individual comparison alpha = 0.0002346 (1 of 2). Comparing 17 points to limit.

Constituent: Arsenic, Total Analysis Run 6/24/2021 11:43 AM View: Appendix I - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 75) were censored; limit is most recent reporting limit. Annual per-constituent alpha = 0.0114. Individual comparison alpha = 0.000337 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: Silver Analysis Run 6/24/2021 11:43 AM View: Appendix I - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-12	GWC-14	GWA-16 (bg)	GWC-13	GWC-18	GWC-10	GWC-7
4/13/2016			<0.001 (D)	<0.001 (D)		<0.001 (D)		<0.001 (D)	<0.001 (D)
4/19/2016									
6/15/2016	<0.001	<0.001			<0.001				
6/16/2016							<0.001		
6/20/2016									<0.001
6/21/2016			<0.001	<0.001		<0.001		<0.001	
6/22/2016									
8/10/2016	<0.001	<0.001			<0.001				
8/11/2016							<0.001		
8/12/2016									
8/15/2016			<0.001	<0.001		<0.001		<0.001	<0.001
8/16/2016									
10/4/2016		<0.001		<0.001	<0.001				
10/5/2016	<0.001		<0.001				<0.001	<0.001	
10/6/2016									<0.001
10/7/2016						<0.001			
10/10/2016									
11/29/2016	<0.001				<0.001		<0.001		
11/30/2016		<0.001							
12/1/2016			<0.001	<0.001		<0.001		<0.001	<0.001
2/7/2017	<0.001	<0.001		<0.001	<0.001				
2/8/2017			<0.001				<0.001	<0.001	
2/9/2017						<0.001			<0.001
4/4/2017	<0.001	<0.001			<0.001				
4/5/2017			<0.001						
4/6/2017				<0.001		<0.001	<0.001	<0.001	
4/7/2017									<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001				
6/21/2017							<0.001	<0.001	
6/22/2017						<0.001			<0.001
8/15/2017									
9/1/2017									
10/4/2017		<0.001							
10/5/2017	<0.001		<0.001	<0.001	<0.001		<0.001	<0.001	
10/6/2017						<0.001			<0.001
10/9/2017									
3/20/2018	<0.001	<0.001 (D)		<0.001	<0.001		<0.001		
3/21/2018			<0.001 (D)					<0.001	
3/22/2018						<0.001			<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
10/3/2018						<0.001			
10/4/2018									<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/27/2019								<0.001	<0.001
9/10/2019	0.00069 (J)	0.00032 (J)			0.00049 (J)				
9/11/2019			0.00038 (J)	0.00045 (J)		0.00042 (J)	0.00043 (J)	0.00055 (J)	0.00038 (J)
9/12/2019									
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/19/2020									<0.001
9/9/2020	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	
9/10/2020			<0.001			<0.001			<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-12	GWC-14	GWA-16 (bg)	GWC-13	GWC-18	GWC-10	GWC-7
4/2/2021									
4/5/2021									
4/6/2021						<0.001			

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-8A	GWC-11	GWC-19	GWC-4	GWC-3	GWC-1	GWC-6	GWC-5
5/8/2010									
5/9/2010									
5/10/2010	<0.001	<0.001	<0.001						
5/11/2010				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001		<0.001	<0.001					
6/17/2010					<0.001	<0.001	<0.001		
6/18/2010								<0.001	<0.001
6/19/2010		<0.001							
7/26/2010									
7/27/2010	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001
7/28/2010		<0.001			<0.001	<0.001			
7/29/2010									
9/7/2010				<0.001		<0.001			
9/8/2010	<0.001	<0.001	<0.001		<0.001				
9/9/2010							<0.001	<0.001	<0.001
4/26/2011									
4/28/2011					<0.001		<0.001		
4/29/2011	<0.001		<0.001	<0.001		<0.001			<0.001
4/30/2011		<0.001						<0.001	
10/27/2011	<0.001	<0.001	<0.001						
10/28/2011				<0.001		<0.001			<0.001
10/29/2011					<0.001		<0.001	<0.001	
5/2/2012				<0.001					
5/3/2012	<0.001				<0.001	<0.001	<0.001		
5/4/2012		<0.001	<0.001					<0.001	<0.001
11/9/2012				<0.001		<0.001	<0.001		
11/10/2012			<0.001		<0.001			<0.001	<0.001
11/11/2012	<0.001	<0.001							
5/8/2013									
5/9/2013	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001
5/10/2013		<0.001			<0.001	<0.001			
11/5/2013							<0.001		
11/6/2013	<0.001		<0.001	<0.001	<0.001	<0.001			<0.001
11/7/2013		<0.001						<0.001	
5/20/2014			<0.001						
5/21/2014	<0.001	<0.001						<0.001	
5/22/2014				<0.001	<0.001	<0.001			<0.001
5/23/2014							<0.001		
11/8/2014				<0.001					
11/9/2014					<0.001	<0.001		<0.001	<0.001
11/12/2014	<0.001		<0.001						
11/13/2014		<0.001					<0.001		
5/22/2015					<0.001	<0.001			
5/23/2015	<0.001	<0.001		<0.001			<0.001		
5/24/2015			<0.001					<0.001	<0.001
11/9/2015									
11/10/2015				<0.001		<0.001			
11/11/2015		<0.001			<0.001		<0.001	<0.001	<0.001
11/12/2015	<0.001		<0.001						
4/6/2016									
4/11/2016				<0.001					
4/12/2016					<0.001	<0.001 (D)	<0.001	<0.001	



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-8A	GWC-11	GWC-19	GWC-4	GWC-3	GWC-1	GWC-6	GWC-5
4/13/2016	<0.001 (D)		<0.001 (D)						
4/19/2016		<0.001							<0.001
6/15/2016									
6/16/2016				5.1E-05 (J)			6E-05 (J)		
6/20/2016					<0.001	<0.001		6.3E-05 (J)	
6/21/2016			<0.001						
6/22/2016	<0.001								0.0008
8/10/2016									
8/11/2016				<0.001			<0.001		
8/12/2016					<0.001	0.00053 (J)		<0.001	
8/15/2016	<0.001		<0.001						
8/16/2016									<0.001
10/4/2016							0.00079		
10/5/2016			<0.001	<0.001		<0.001			
10/6/2016	<0.001				<0.001			<0.001	<0.001
10/7/2016									
10/10/2016		<0.001							
11/29/2016				<0.001					
11/30/2016					<0.001	<0.001	<0.001	<0.001	
12/1/2016	<0.001	<0.001	<0.001						<0.001
2/7/2017							<0.001		
2/8/2017	<0.001		<0.001	<0.001	<0.001	<0.001			
2/9/2017		0.00115 (D)						<0.001	<0.001
4/4/2017									
4/5/2017				<0.001			<0.001		
4/6/2017	<0.001		<0.001		<0.001	<0.001		<0.001	<0.001
4/7/2017		<0.001							
6/20/2017			<0.001				<0.001		
6/21/2017	<0.001	0.0014		<0.001		<0.001		<0.001	<0.001
6/22/2017					<0.001				
8/15/2017		0.00086							
9/1/2017		0.00075							
10/4/2017							<0.001		
10/5/2017	<0.001		<0.001	<0.001		<0.001			<0.001
10/6/2017					<0.001			<0.001	
10/9/2017		0.0013							
3/20/2018				<0.001			<0.001		
3/21/2018	<0.001		<0.001		<0.001	0.00089		<0.001	
3/22/2018		0.00075							0.00046 (J)
10/2/2018	<0.001		<0.001	<0.001			<0.001		
10/3/2018					<0.001	<0.001		<0.001	<0.001
10/4/2018		<0.001							
3/26/2019				<0.001	<0.001	<0.001	<0.001	<0.001	
3/27/2019	0.00062	0.0012	<0.001						<0.001
9/10/2019					0.00032 (J)	0.00032 (J)	0.00033 (J)		
9/11/2019	0.00055 (J)	0.001 (J)	0.00045 (J)					0.00041 (J)	0.00038 (J)
9/12/2019				<0.001					
3/18/2020	<0.001	0.00042 (J)	<0.001			<0.001	<0.001	<0.001	<0.001
3/19/2020				<0.001	<0.001				
9/9/2020	<0.001	0.00092 (J)		<0.001			<0.001		<0.001
9/10/2020			<0.001		<0.001	<0.001		<0.001	
4/1/2021	<0.001		<0.001				<0.001		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-8A	GWC-11	GWC-19	GWC-4	GWC-3	GWC-1	GWC-6	GWC-5
4/2/2021					<0.001				
4/5/2021		0.00097 (J)		<0.001				<0.001	
4/6/2021						<0.001			

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-2
5/8/2010		
5/9/2010		
5/10/2010		
5/11/2010	<0.001	<0.001
6/16/2010		
6/17/2010	<0.001	
6/18/2010		
6/19/2010		<0.001
7/26/2010		
7/27/2010	<0.001	<0.001
7/28/2010		
7/29/2010		
9/7/2010	<0.001	
9/8/2010		
9/9/2010		<0.001
4/26/2011		
4/28/2011		<0.001
4/29/2011	<0.001	
4/30/2011		
10/27/2011		
10/28/2011	<0.001	<0.001
10/29/2011		
5/2/2012		
5/3/2012	<0.001	<0.001
5/4/2012		
11/9/2012		<0.001
11/10/2012	<0.001	
11/11/2012		
5/8/2013		
5/9/2013	<0.001	<0.001
5/10/2013		
11/5/2013		<0.001
11/6/2013	<0.001	
11/7/2013		
5/20/2014		
5/21/2014		
5/22/2014	<0.001	<0.001
5/23/2014		
11/8/2014		
11/9/2014	<0.001	
11/12/2014		
11/13/2014		<0.001
5/22/2015		
5/23/2015		
5/24/2015	<0.001	<0.001
11/9/2015		
11/10/2015	<0.001	
11/11/2015		<0.001
11/12/2015		
4/6/2016		
4/11/2016		
4/12/2016	<0.001	<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-2
4/13/2016		
4/19/2016		
6/15/2016		
6/16/2016	5.4E-05 (J)	5.5E-05 (J)
6/20/2016		
6/21/2016		
6/22/2016		
8/10/2016		
8/11/2016	<0.001	<0.001
8/12/2016		
8/15/2016		
8/16/2016		
10/4/2016		<0.001
10/5/2016	<0.001	
10/6/2016		
10/7/2016		
10/10/2016		
11/29/2016		
11/30/2016	<0.001	<0.001
12/1/2016		
2/7/2017		<0.001
2/8/2017	<0.001	
2/9/2017		
4/4/2017		
4/5/2017		
4/6/2017	<0.001	<0.001
4/7/2017		
6/20/2017		<0.001
6/21/2017	<0.001	
6/22/2017		
8/15/2017		
9/1/2017		
10/4/2017		<0.001
10/5/2017	<0.001	
10/6/2017		
10/9/2017		
3/20/2018		<0.001
3/21/2018	0.00078	
3/22/2018		
10/2/2018		<0.001
10/3/2018	<0.001	
10/4/2018		
3/26/2019	<0.001	<0.001
3/27/2019		
9/10/2019		0.00038 (J)
9/11/2019		
9/12/2019	<0.001	
3/18/2020		<0.001
3/19/2020	<0.001	
9/9/2020		<0.001
9/10/2020	<0.001	
4/1/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-2
4/2/2021		
4/5/2021	<0.001	
4/6/2021		

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-16 (bg)	GWC-13	GWA-15 (bg)	GWC-1	GWC-6
5/8/2010	<0.001					
5/9/2010		<0.001	<0.001	<0.001		
5/11/2010					<0.001	<0.001
6/16/2010	<0.001	<0.001				
6/17/2010					<0.001	
6/18/2010			<0.001	<0.001		<0.001
7/26/2010	<0.001					
7/27/2010		<0.001			<0.001	<0.001
7/28/2010				<0.001		
7/29/2010			<0.001			
9/7/2010	<0.001	<0.001				
9/9/2010			<0.001	<0.001	<0.001	<0.001
4/26/2011			<0.001			
4/28/2011					<0.001	
4/29/2011	<0.001	<0.001				
4/30/2011				<0.001		<0.001
10/28/2011	<0.001	<0.001	<0.001	<0.001		
10/29/2011					<0.001	<0.001
5/2/2012	<0.001	<0.001		<0.001		
5/3/2012					<0.001	
5/4/2012			<0.001			<0.001
11/9/2012	<0.001	<0.001		<0.001	<0.001	
11/10/2012						<0.001
11/11/2012			<0.001			
5/8/2013	<0.001	<0.001	<0.001	<0.001		
5/9/2013					<0.001	<0.001
11/5/2013				<0.001	<0.001	
11/6/2013	<0.001	<0.001				
11/7/2013			<0.001			<0.001
5/20/2014	<0.001	<0.001	<0.001	<0.001		
5/21/2014						<0.001
5/23/2014					<0.001	
11/8/2014	<0.001	<0.001				
11/9/2014						<0.001
11/12/2014			<0.001	<0.001		
11/13/2014					<0.001	
5/22/2015	<0.001	<0.001		<0.001		
5/23/2015					<0.001	
5/24/2015			<0.001			<0.001
11/9/2015	<0.001	<0.001				
11/11/2015				<0.001	<0.001	<0.001
11/12/2015			<0.001			
4/6/2016	<0.001	<0.001		<0.001		
4/12/2016					<0.001	<0.001
4/13/2016			<0.001 (D)			
10/4/2016		<0.001		<0.001	0.00012 (J)	
10/5/2016	<0.001					
10/6/2016						0.00012 (J)
10/7/2016			<0.001			
4/4/2017	<0.001	<0.001		<0.001		
4/5/2017					<0.001	
4/6/2017			<0.001			<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-16 (bg)	GWC-13	GWA-15 (bg)	GWC-1	GWC-6
10/4/2017				<0.001	<0.001	
10/5/2017	<0.001	<0.001				
10/6/2017			0.00031			<0.001
3/20/2018	<0.001	<0.001		<0.001 (D)	<0.001	
3/21/2018						<0.001
3/22/2018			<0.001			
10/2/2018	<0.001	<0.001		<0.001	<0.001	
10/3/2018			<0.001			<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019	<0.001	<0.001		<0.001	<0.001	
9/11/2019			<0.001			<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001		<0.001	<0.001	
9/10/2020			<0.001			<0.001
4/1/2021	<0.001	<0.001		<0.001	<0.001	
4/5/2021						<0.001
4/6/2021			<0.001			

FIGURE J.



# Appendix I Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004574	-177	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.001135	-170	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0002759	158	146	Yes	30	3.333	n/a	n/a	0.01	NP

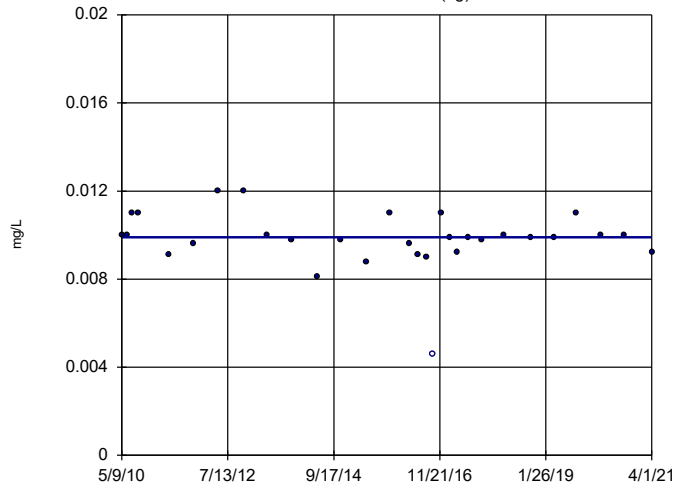
# Appendix I Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-15 (bg)	0	-26	-146	No	30	3.333	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.0004574</b>	<b>-177</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.001135</b>	<b>-170</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>3.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>0.0002759</b>	<b>158</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>3.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Selenium, Total (mg/L)	GWA-15 (bg)	0	-11	-146	No	30	96.67	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-16 (bg)	0	-16	-146	No	30	90	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-17 (bg)	0	-3	-146	No	30	93.33	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWC-5	0.0004765	83	146	No	30	40	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0	18	111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-16 (bg)	0	-18	-111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-17 (bg)	0	19	111	No	25	88	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-2	0	5	111	No	25	92	n/a	n/a	0.01	NP

### Sen's Slope Estimator

GWA-15 (bg)

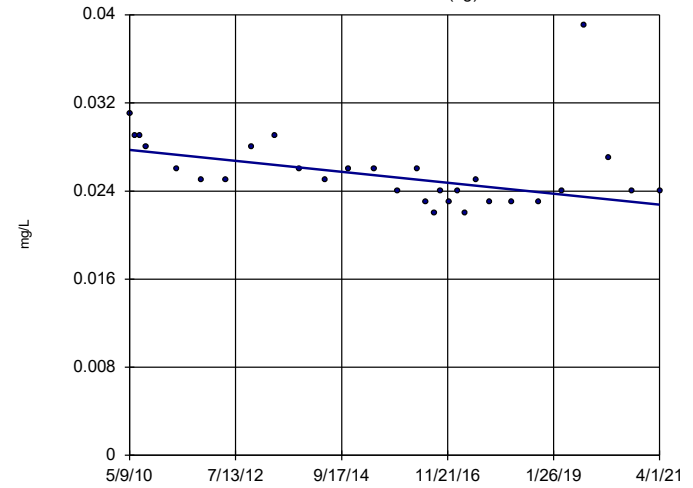


n = 30  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -26  
critical = -146  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium, Total Analysis Run 6/21/2021 4:45 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

GWA-16 (bg)

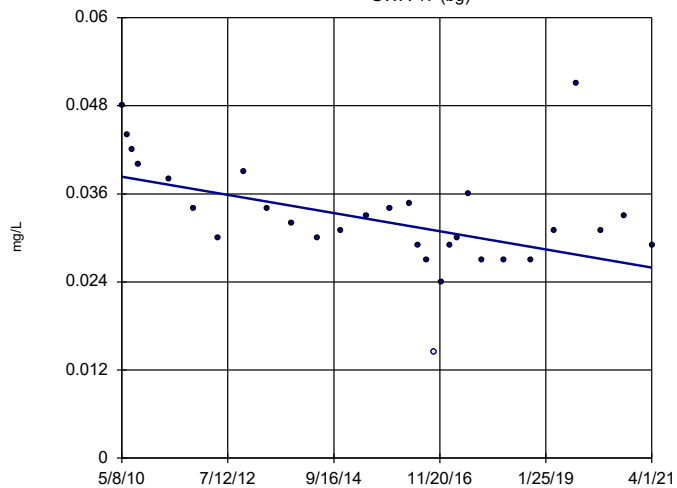


n = 30  
Slope = -0.0004574  
units per year.  
Mann-Kendall  
statistic = -177  
critical = -146  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

GWA-17 (bg)

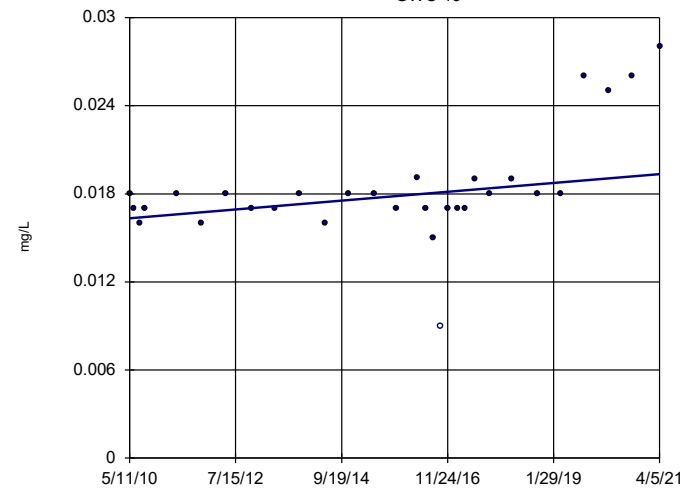


n = 30  
Slope = -0.001135  
units per year.  
Mann-Kendall  
statistic = -170  
critical = -146  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

GWC-19

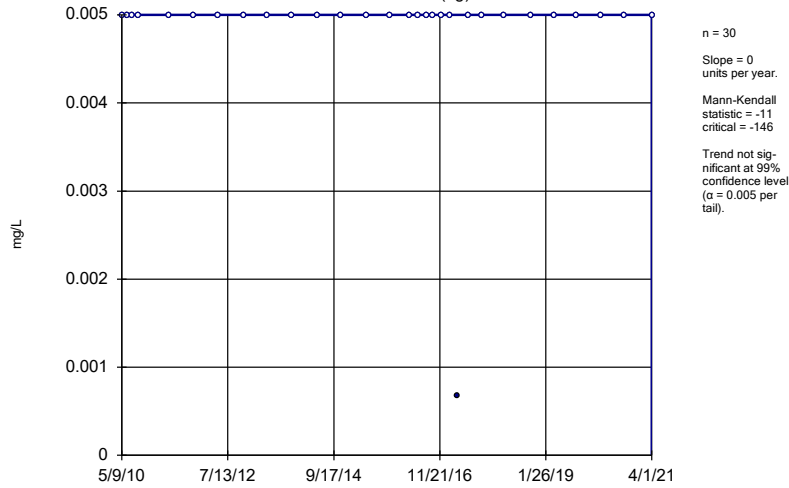


n = 30  
Slope = 0.0002759  
units per year.  
Mann-Kendall  
statistic = 158  
critical = 146  
Increasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

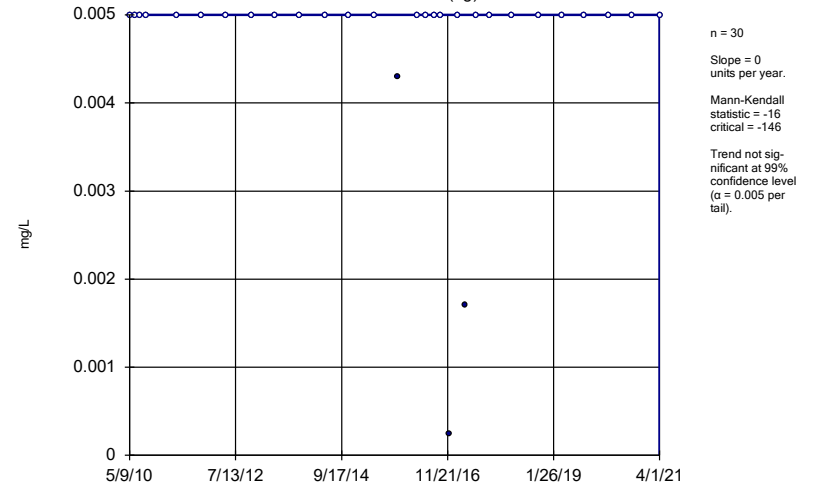
GWA-15 (bg)



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

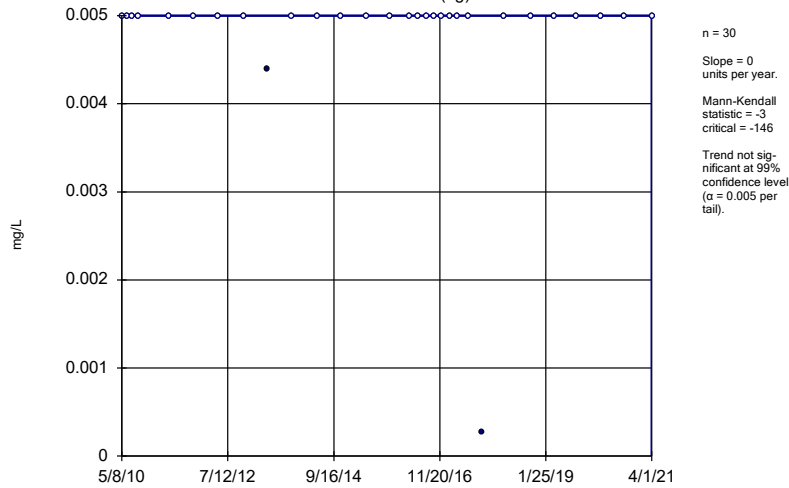
GWA-16 (bg)



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

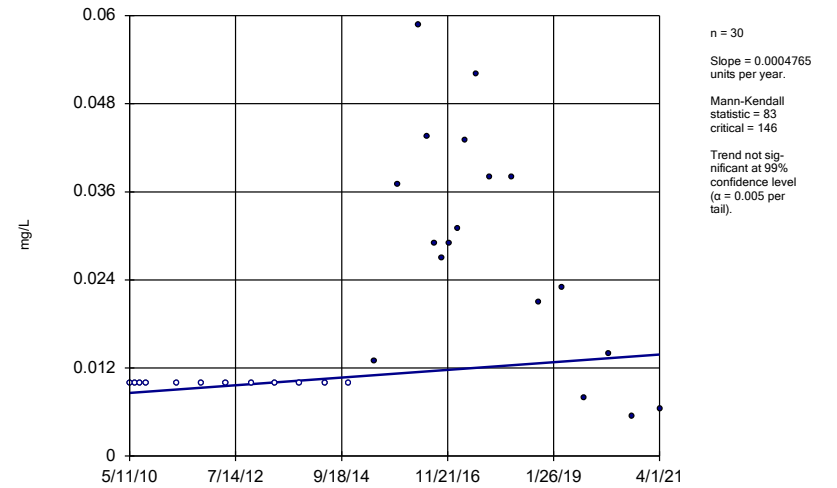
GWA-17 (bg)



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

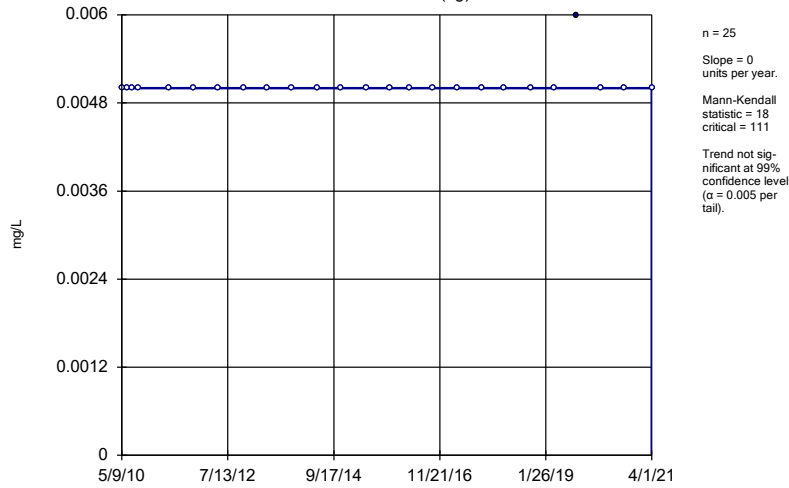
GWC-5



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

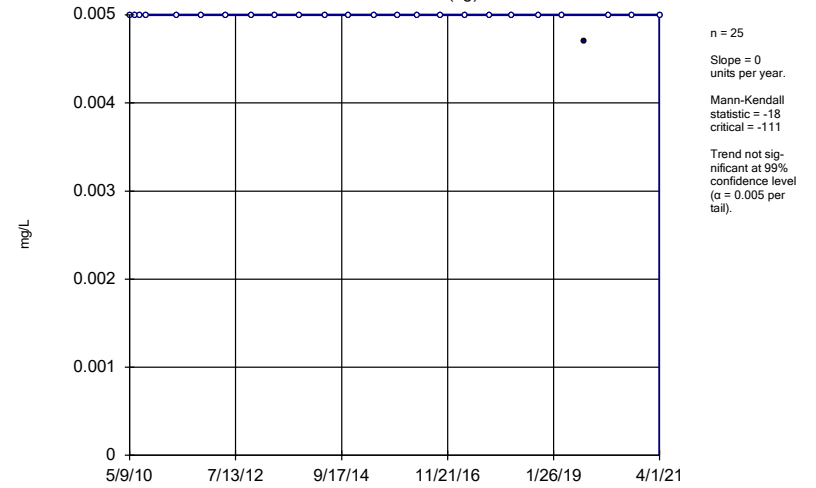
GWA-15 (bg)



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

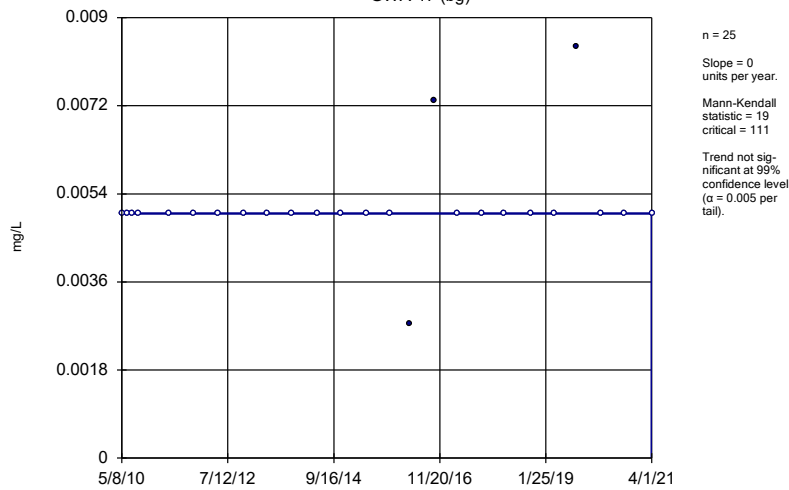
GWA-16 (bg)



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

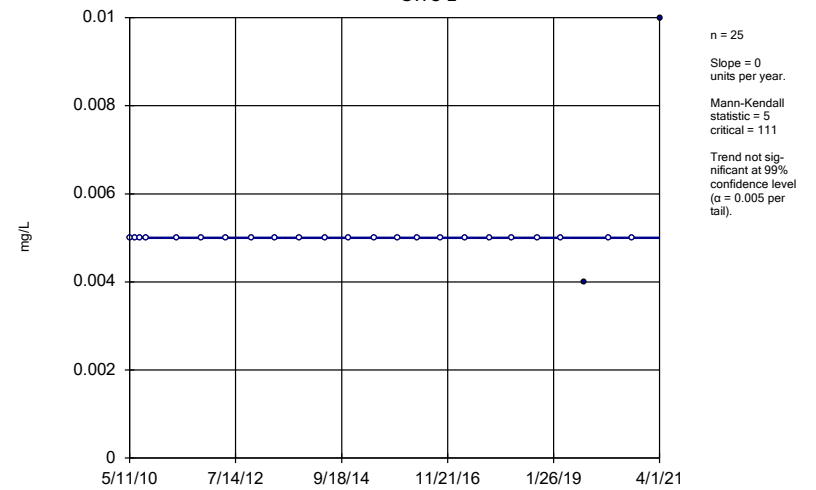
GWA-17 (bg)



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

GWC-2



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

FIGURE K.

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	45.47	n/a	4/5/2021	52	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.3	n/a	4/1/2021	7	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	4.3	n/a	4/1/2021	4.4	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14	3.365	n/a	4/1/2021	3.8	Yes	15	2.894	0.1784	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.435	n/a	6/1/2021	2.6	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2.5	n/a	4/1/2021	2.9	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.518	6.229	6/1/2021	6.18	Yes	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-2	7	6.35	4/1/2021	7.32	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-9	6.922	6.294	4/1/2021	6.28	Yes	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.475	n/a	4/1/2021	2.7	Yes	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1.2	n/a	6/1/2021	1.9	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	0.99	n/a	4/1/2021	1.1	Yes	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	6/1/2021	1.4	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-17	0.08	n/a	4/1/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	4/1/2021	0.053J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	4/6/2021	0.056J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	4/6/2021	0.078J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6172	n/a	4/1/2021	0.23	No	15	0.3445	0.1034	6.667	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	4/5/2021	0.042J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3262	n/a	4/5/2021	0.18	No	14	0.1846	0.05242	0	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-9	0.1305	n/a	4/1/2021	0.059J	No	15	0.08718	0.0164	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-15	5.463	n/a	4/1/2021	4	No	15	4.215	0.4731	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-16	14.38	n/a	4/1/2021	12	No	15	11.59	1.055	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-17	8.711	n/a	4/1/2021	7.8	No	15	6.639	0.7855	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-1	20.62	n/a	4/1/2021	18	No	15	17.13	1.326	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	21.64	n/a	4/1/2021	19	No	15	16.8	1.835	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	15.09	n/a	4/1/2021	13	No	15	12.69	0.9098	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	1.581	n/a	4/1/2021	1.2	No	15	1.095	0.184	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	9.036	n/a	4/6/2021	7.4	No	15	1.862	0.08384	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14	7.744	n/a	4/1/2021	6.2	No	15	6.446	0.4921	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-18	12.05	n/a	4/1/2021	11	No	15	10.29	0.6675	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-19	15.99	n/a	4/5/2021	15	No	15	11.46	1.718	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-2	20.61	n/a	4/1/2021	17	No	15	17.31	1.248	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-20	16.02	n/a	4/5/2021	14	No	15	13.43	0.9796	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-3	11.1	n/a	4/6/2021	7.4	No	15	7.961	1.19	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-4	16.56	n/a	4/2/2021	15	No	15	12.47	1.553	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	222.5	n/a	4/1/2021	40	No	15	107.3	43.67	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6	21.67	n/a	4/5/2021	16	No	15	17.82	1.459	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7	16.33	n/a	4/1/2021	15	No	15	14.12	0.8377	0	None	No	0.0004426	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>45.47</b>	<b>n/a</b>	<b>4/5/2021</b>	<b>52</b>	<b>Yes</b>	<b>10</b>	<b>25.9</b>	<b>6.402</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWC-9	19.78	n/a	4/1/2021	16	No	15	17.05	1.037	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-15</b>	<b>6.3</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>7</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride, Total (mg/L)	GWA-16	2.089	n/a	4/1/2021	1.8	No	15	1.646	0.1678	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-17	2.117	n/a	4/1/2021	1.5	No	15	1.566	0.2089	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-1	4.775	n/a	4/1/2021	4.2	No	15	3.841	0.354	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>4.3</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>4.4</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride, Total (mg/L)	GWC-11	2.109	n/a	4/1/2021	1.9	No	15	1.772	0.1278	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-12	2.15	n/a	4/1/2021	2	No	15	1.753	0.1506	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-13	1.976	n/a	4/6/2021	1.8	No	15	1.548	0.1621	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-14</b>	<b>3.365</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>3.8</b>	<b>Yes</b>	<b>15</b>	<b>2.894</b>	<b>0.1784</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWC-18	2.9	n/a	4/1/2021	2.8	No	15	2.515	0.1457	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.435</b>	<b>n/a</b>	<b>6/1/2021</b>	<b>2.6</b>	<b>Yes</b>	<b>15</b>	<b>1.338</b>	<b>0.08444</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWC-2	2.66	n/a	4/1/2021	2.5	No	15	2.123	0.2035	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-20	2.425	n/a	6/1/2021	2.1	No	15	7.311	2.638	6.667	None	x^3	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-3	4.015	n/a	4/6/2021	2.9	No	15	3.176	0.3181	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-4	15.93	n/a	4/2/2021	11	No	15	7.238	3.295	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-5	100	n/a	4/1/2021	18	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Chloride, Total (mg/L)	GWC-6	9.041	n/a	6/2/2021	6.3	No	14	6.021	1.119	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-7</b>	<b>2.5</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>2.9</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride, Total (mg/L)	GWC-8A	10.77	n/a	6/1/2021	9.4	No	14	2.006	0.1373	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-9	4.39	n/a	4/1/2021	4.3	No	15	3.523	0.3286	0	None	No	0.0004426	Param Intra 1 of 2



# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWA-15	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-16	0.082	n/a	4/1/2021	0.035J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-17	0.082	n/a	4/1/2021	0.042J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-1	0.1091	n/a	4/1/2021	0.081J	No	15	0.006016	0.00223	33.33	Kaplan-Meier	x*2	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-10	0.088	n/a	4/1/2021	0.086J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.082	n/a	4/1/2021	0.042J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.082	n/a	4/6/2021	0.026J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-14	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-18	0.1	n/a	4/1/2021	0.041J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-19	0.1	n/a	6/1/2021	0.026J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-2	0.082	n/a	4/1/2021	0.043J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-20	0.1	n/a	6/1/2021	0.033J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-3	0.091	n/a	4/6/2021	0.045J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-4	0.1466	n/a	4/2/2021	0.097J	No	15	0.009818	0.004428	0	None	x*2	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-5	0.082	n/a	4/1/2021	0.029J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.082	n/a	6/2/2021	0.038J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7	0.12	n/a	4/1/2021	0.072J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8A	0.2241	n/a	6/1/2021	0.034J	No	14	0.1081	0.04297	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-9	0.096	n/a	4/1/2021	0.072J	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
pH, Field (S.U.)	GWA-15	5.761	5.24	4/1/2021	5.31	No	18	5.501	0.1037	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-16	6.563	6.191	4/1/2021	6.44	No	18	6.377	0.07404	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-17	6.338	5.628	4/1/2021	6.14	No	18	5.983	0.1415	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-1	6.745	6.3	4/1/2021	6.52	No	18	6.522	0.08869	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-10	6.659	6.027	4/1/2021	6.35	No	18	6.343	0.1259	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-11	6.354	5.988	4/1/2021	6.11	No	17	6.171	0.07184	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-12	5.433	4.859	4/1/2021	5.18	No	18	5.146	0.1143	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-13	6.052	5.659	4/6/2021	5.95	No	19	6.960	466.8	0	None	x*5	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-14	5.903	5.332	4/1/2021	5.53	No	17	5.617	0.1122	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-18	6.46	6.164	4/1/2021	6.37	No	18	6.312	0.05897	0	None	No	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-19</b>	<b>6.518</b>	<b>6.229</b>	<b>6/1/2021</b>	<b>6.18</b>	<b>Yes</b>	<b>17</b>	<b>6.374</b>	<b>0.05689</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
<b>pH, Field (S.U.)</b>	<b>GWC-2</b>	<b>7</b>	<b>6.35</b>	<b>4/1/2021</b>	<b>7.32</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01183</b>	<b>NP Intra (normality) 1 of 2</b>
pH, Field (S.U.)	GWC-20	6.664	6.342	6/1/2021	6.39	No	18	6.503	0.06408	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-3	6.201	5.69	4/6/2021	6.01	No	18	5.946	0.1019	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-4	6.591	5.971	4/2/2021	6.35	No	18	39.54	1.551	0	None	x*2	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-5	6.158	5.348	4/1/2021	6.01	No	18	5.753	0.1613	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-6	6.43	6.09	6/2/2021	6.09	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-7	6.42	5.96	4/1/2021	6.4	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-8A	7.26	6.24	6/1/2021	6.28	No	21	n/a	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-9</b>	<b>6.922</b>	<b>6.294</b>	<b>4/1/2021</b>	<b>6.28</b>	<b>Yes</b>	<b>18</b>	<b>6.608</b>	<b>0.1251</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
Sulfate as SO4 (mg/L)	GWA-15	3.1	n/a	4/1/2021	2.7	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-16	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-17	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-1	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>1.475</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>2.7</b>	<b>Yes</b>	<b>11</b>	<b>0.7701</b>	<b>0.2398</b>	<b>27.27</b>	<b>Kaplan-Meier</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Sulfate as SO4 (mg/L)	GWC-11	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-12	1.3	n/a	4/1/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	1.3	n/a	4/6/2021	0.9J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-14	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-19</b>	<b>1.2</b>	<b>n/a</b>	<b>6/1/2021</b>	<b>1.9</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>86.67</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (NDs) 1 of 2</b>
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-2</b>	<b>0.99</b>	<b>n/a</b>	<b>4/1/2021</b>	<b>1.1</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>66.67</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (NDs) 1 of 2</b>

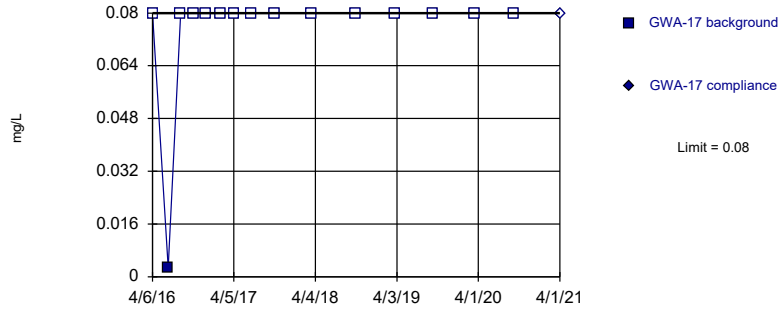
# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-20</b>	<b>1</b>	<b>n/a</b>	<b>6/1/2021</b>	<b>1.4</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>86.67</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	4/6/2021	1ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.288	n/a	4/2/2021	4.6	No	15	2.937	1.27	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	490	n/a	4/1/2021	100	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	17.41	n/a	6/2/2021	13	No	15	10.19	2.735	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	55.93	n/a	6/1/2021	17	No	14	30.76	9.32	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	16.91	n/a	4/1/2021	9.7	No	15	9.857	2.672	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	76.79	n/a	4/1/2021	55	No	15	35.07	15.82	13.33	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	153.2	n/a	4/1/2021	100	No	15	93.67	22.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	132.7	n/a	4/1/2021	68	No	15	66.53	25.08	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	164.7	n/a	4/1/2021	120	No	15	131.1	12.73	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.4	n/a	4/1/2021	140	No	14	127.6	19.55	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	293	n/a	4/1/2021	90	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	94.94	n/a	4/1/2021	17	No	15	4.249	2.083	26.67	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	119.3	n/a	4/6/2021	55	No	14	58.14	22.64	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	103	n/a	4/1/2021	43	No	15	55	18.21	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	120.6	n/a	4/1/2021	62	No	15	84.33	13.75	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	164.4	n/a	6/1/2021	130	No	15	90.33	28.07	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	192.3	n/a	4/1/2021	120	No	15	116.2	28.83	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	146.1	n/a	6/1/2021	120	No	15	102.9	16.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	112.1	n/a	4/6/2021	81	No	15	79.13	12.48	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	166.6	n/a	4/2/2021	150	No	15	116.9	18.84	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1654	n/a	4/1/2021	260	No	15	823.3	314.8	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	183.8	n/a	6/2/2021	140	No	15	144.8	14.77	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	155.6	n/a	4/1/2021	110	No	15	116.4	14.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	404	n/a	6/1/2021	340	No	13	14.63	1.981	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	205.7	n/a	4/1/2021	120	No	15	20532	8252	0	None	x^2	0.0004426	Param Intra 1 of 2

Within Limit

Prediction Limit  
Intrawell Non-parametric

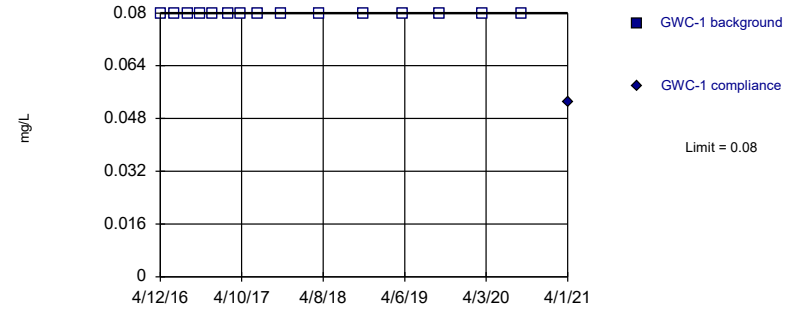


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

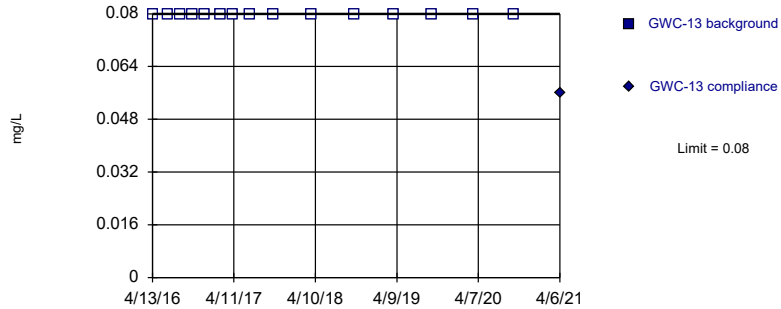


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

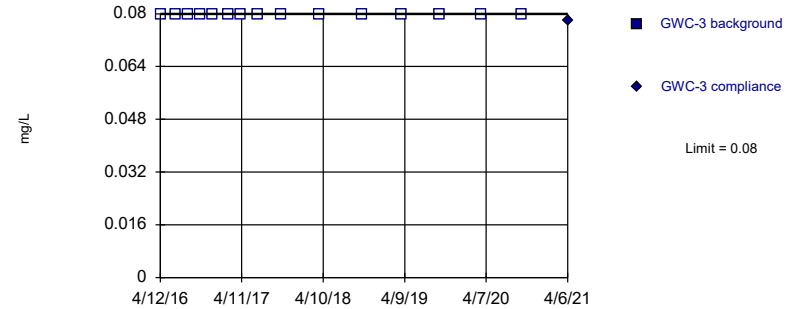


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



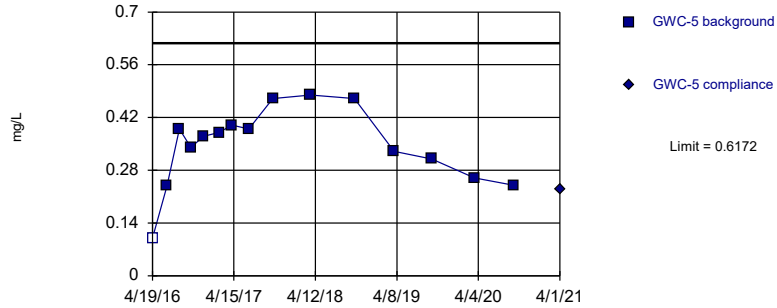
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Parametric



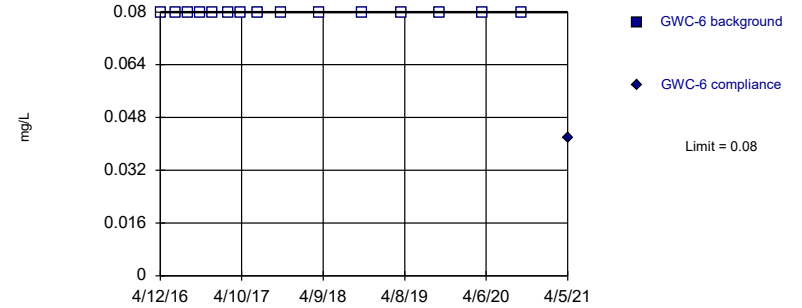
Background Data Summary: Mean=0.3445, Std. Dev.=0.1034, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9346, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 6/28/2021 10:49 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Non-parametric



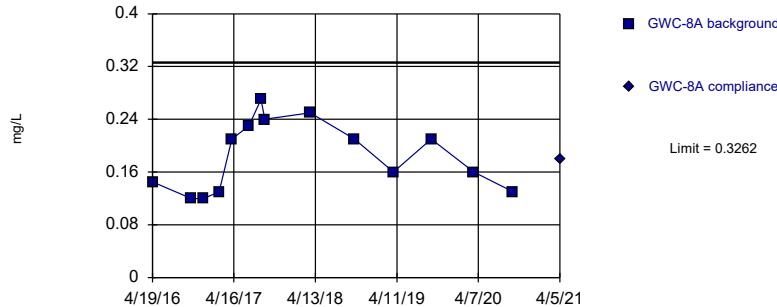
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:50 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Parametric



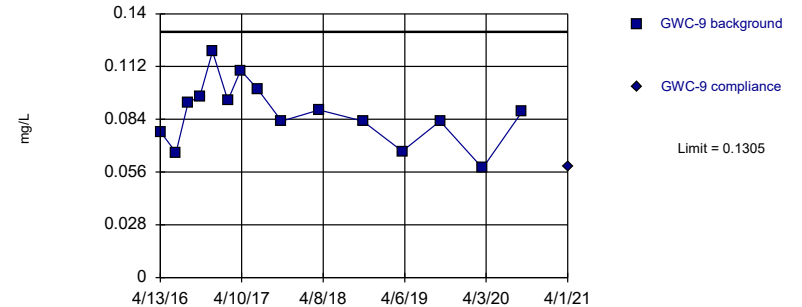
Background Data Summary: Mean=0.1846, Std. Dev.=0.05242, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9057, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 6/28/2021 10:50 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Parametric



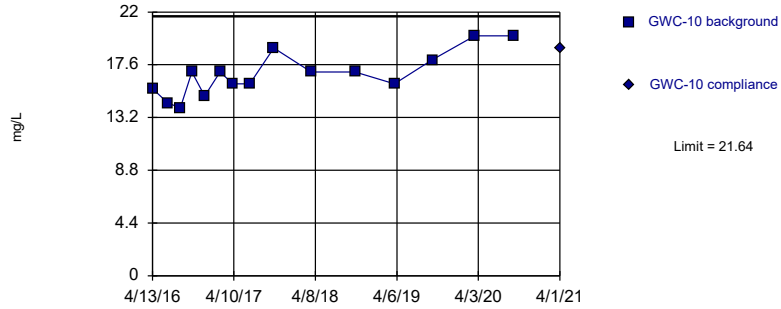
Background Data Summary: Mean=0.08718, Std. Dev.=0.0164, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9791, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 6/28/2021 10:50 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

### Prediction Limit Intrawell Parametric

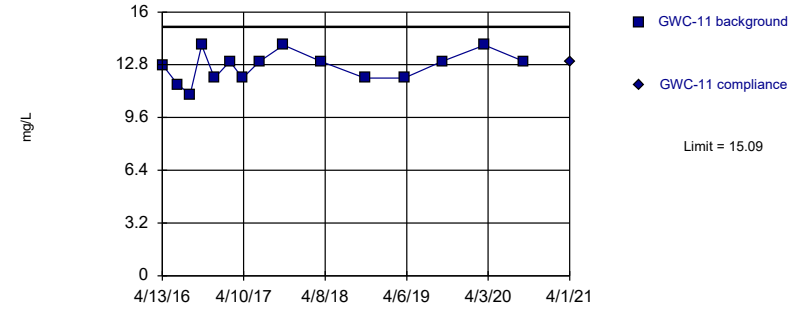


Background Data Summary: Mean=16.8, Std. Dev.=1.835, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9404, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

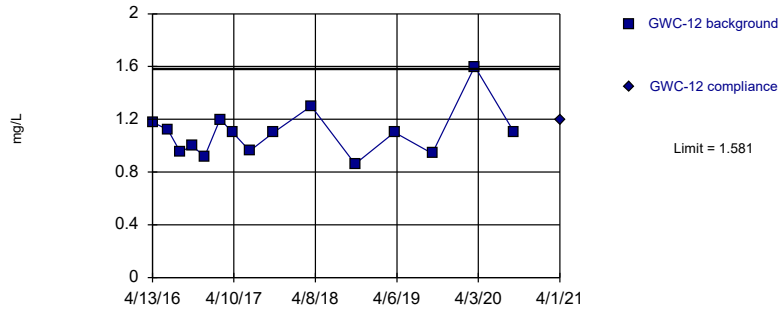


Background Data Summary: Mean=12.69, Std. Dev.=0.9098, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

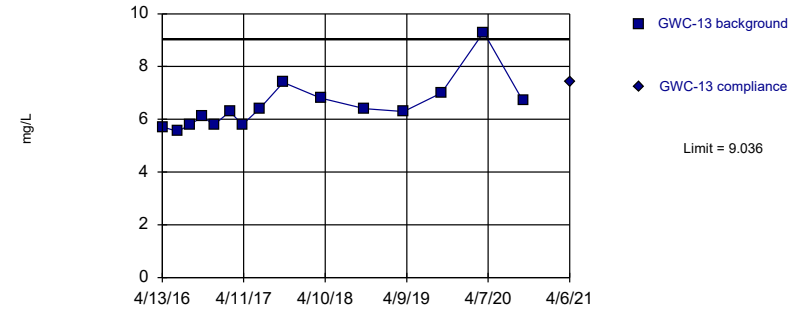


Background Data Summary: Mean=1.095, Std. Dev.=0.184, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.878, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

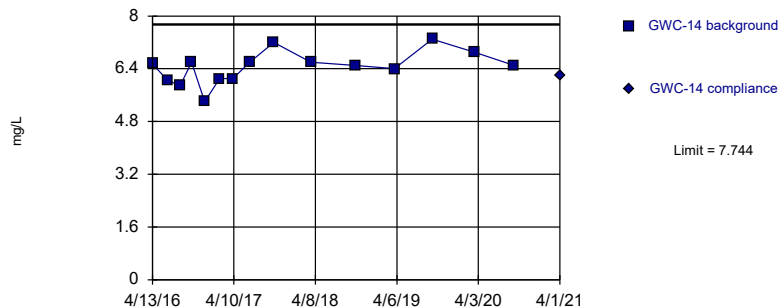


Background Data Summary (based on cube root transformation): Mean=1.862, Std. Dev.=0.08384, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8396, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

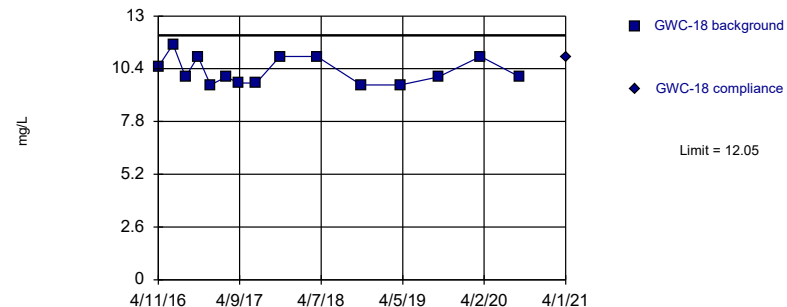


Background Data Summary: Mean=6.446, Std. Dev.=0.4921, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9601, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

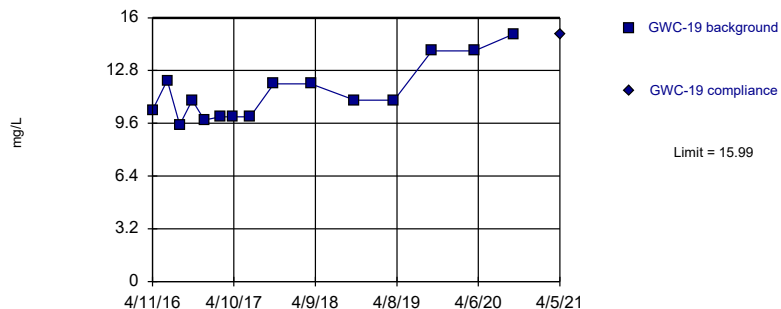


Background Data Summary: Mean=10.29, Std. Dev.=0.6675, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8527, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

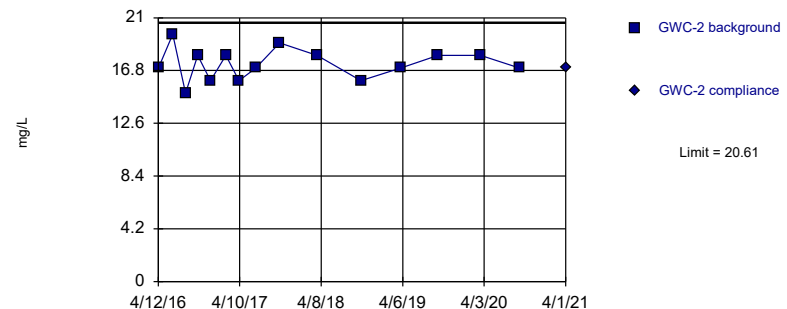


Background Data Summary: Mean=11.46, Std. Dev.=1.718, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.884, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=17.31, Std. Dev.=1.248, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9504, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



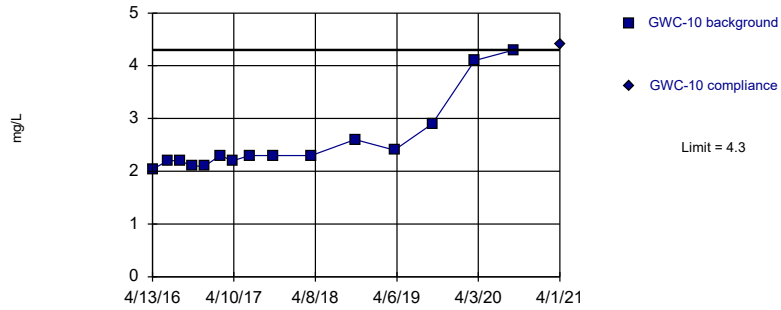






Exceeds Limit

### Prediction Limit Intrawell Non-parametric

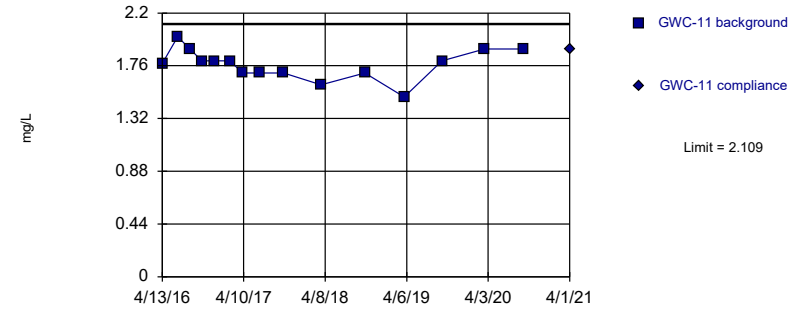


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

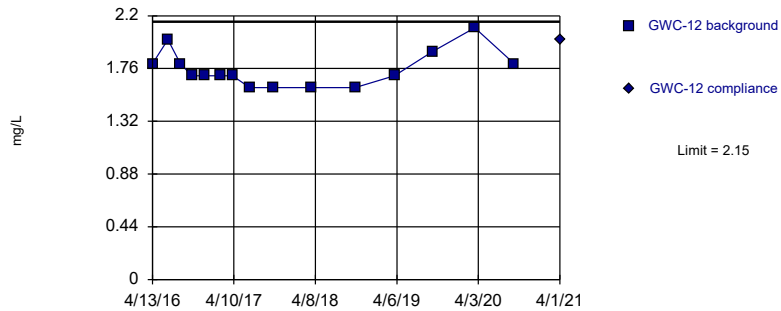


Background Data Summary: Mean=1.772, Std. Dev.=0.1278, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

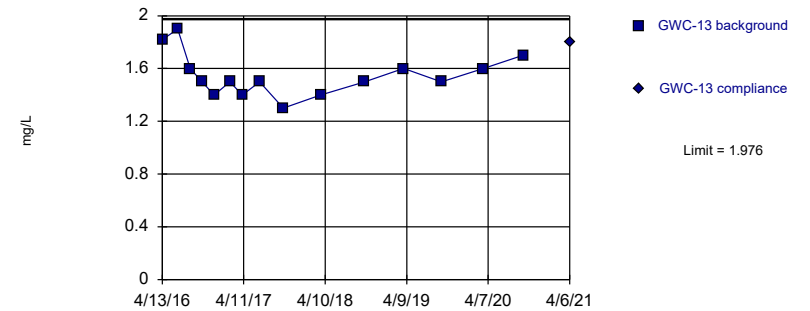


Background Data Summary: Mean=1.753, Std. Dev.=0.1506, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8668, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

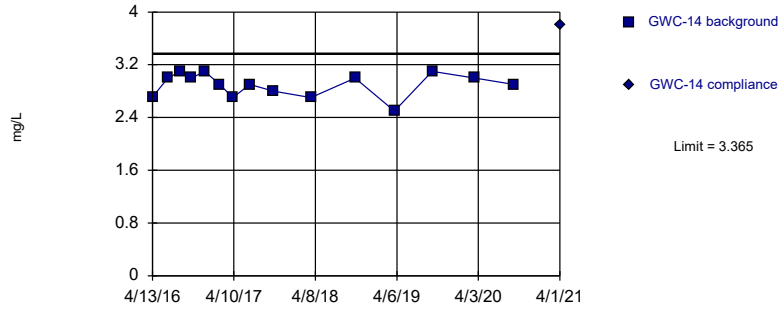


Background Data Summary: Mean=1.548, Std. Dev.=0.1621, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9227, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

### Prediction Limit Intrawell Parametric

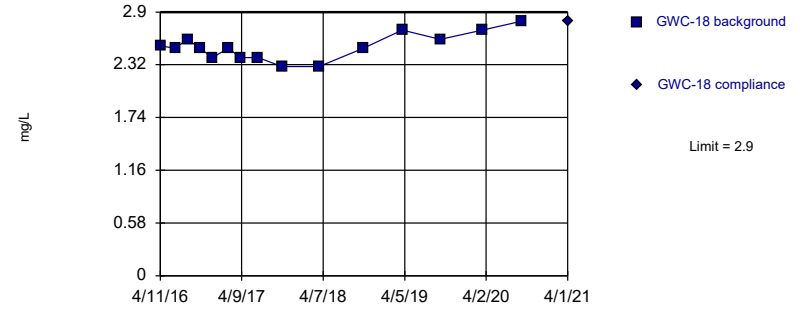


Background Data Summary: Mean=2.894, Std. Dev.=0.1784, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

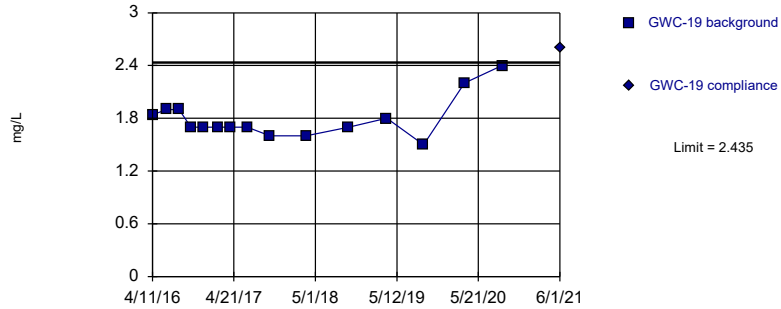


Background Data Summary: Mean=2.515, Std. Dev.=0.1457, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9512, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

### Prediction Limit Intrawell Parametric

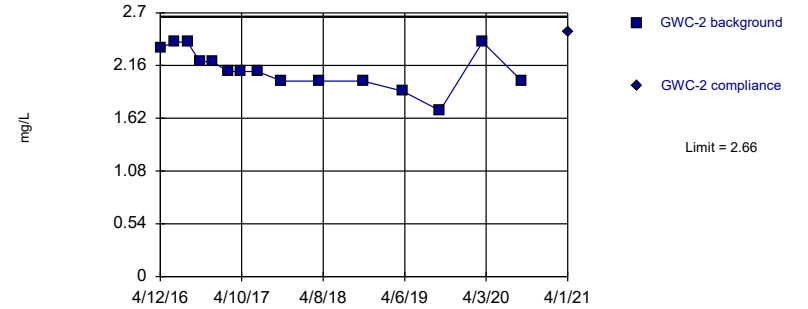


Background Data Summary (based on square root transformation): Mean=1.338, Std. Dev.=0.08444, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8543, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

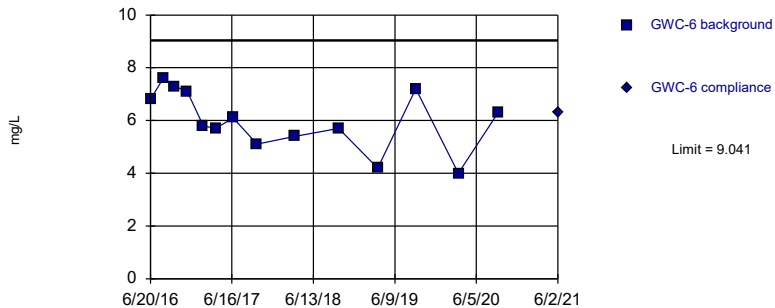
### Prediction Limit Intrawell Parametric



Background Data Summary: Mean=2.123, Std. Dev.=0.2035, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9293, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

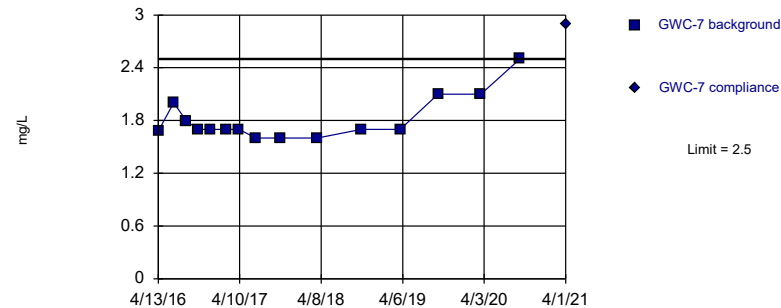
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=6.021, Std. Dev.=1.119, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

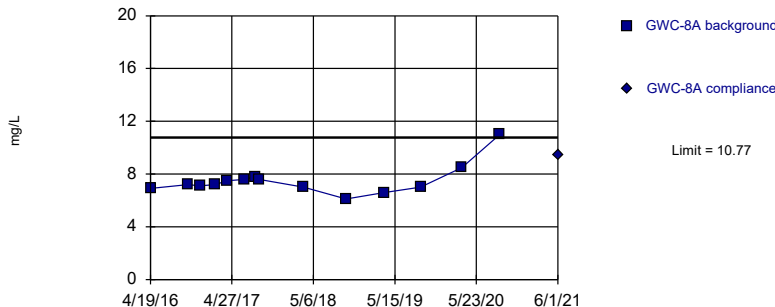
Exceeds Limit Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

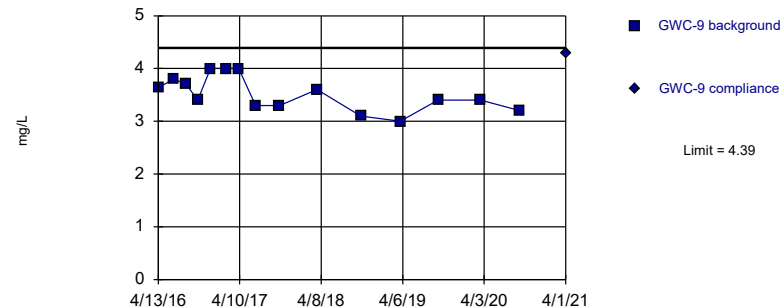
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.006, Std. Dev.=0.1373, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit Prediction Limit Intrawell Parametric



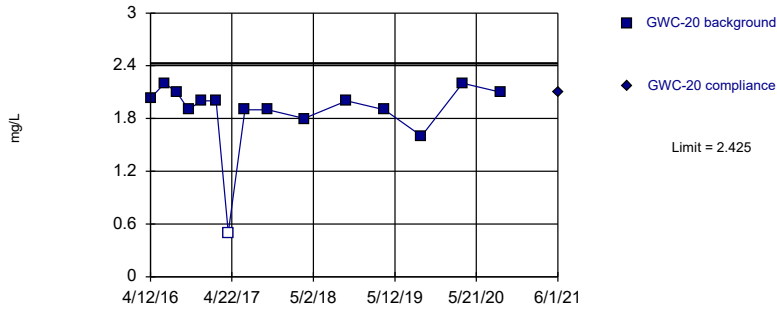
Background Data Summary: Mean=3.523, Std. Dev.=0.3286, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Parametric



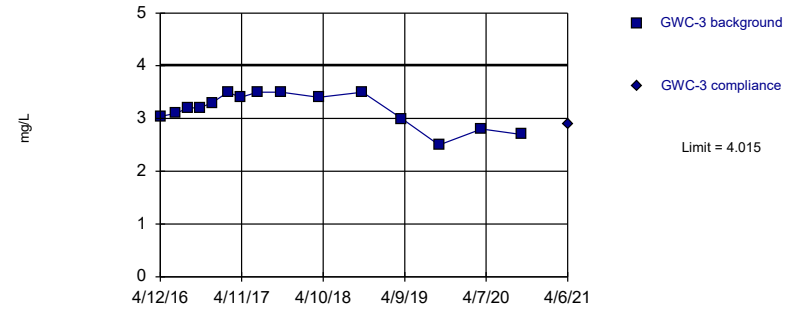
Background Data Summary (based on cube transformation): Mean=7.311, Std. Dev.=2.638, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8777, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Parametric



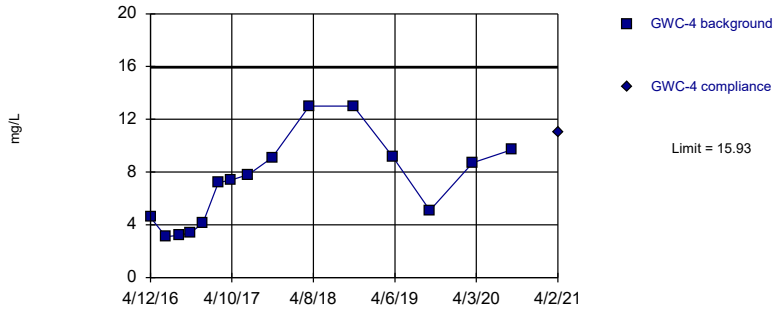
Background Data Summary: Mean=3.176, Std. Dev.=0.3181, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8971, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Parametric



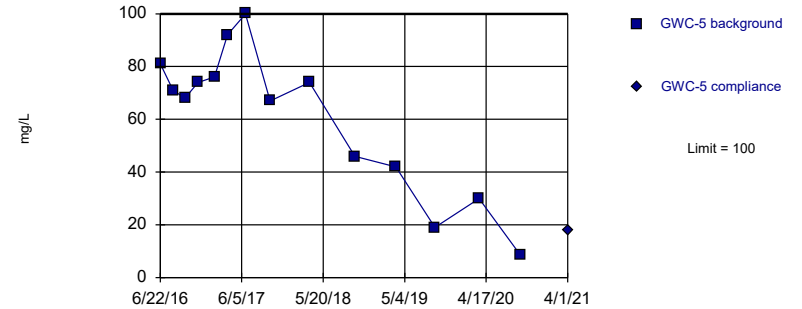
Background Data Summary: Mean=7.238, Std. Dev.=3.295, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.92, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit

Intrawell Non-parametric

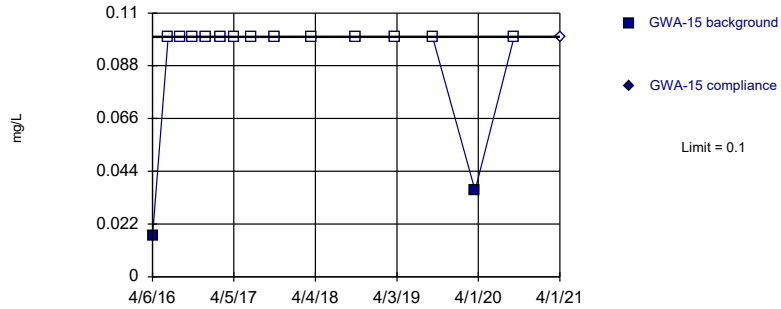


NP test selected by user. Limit is highest of 14 background values. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/28/2021 10:22 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

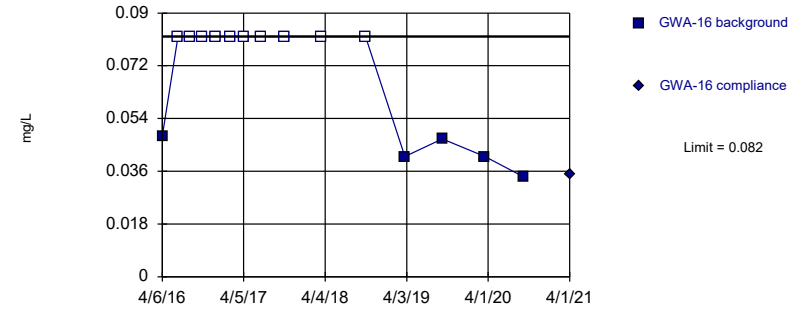


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

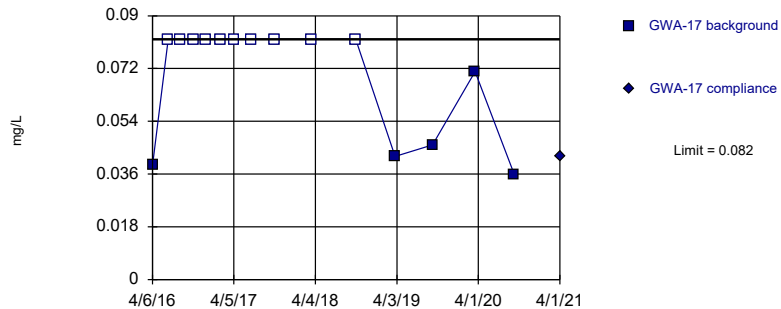


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

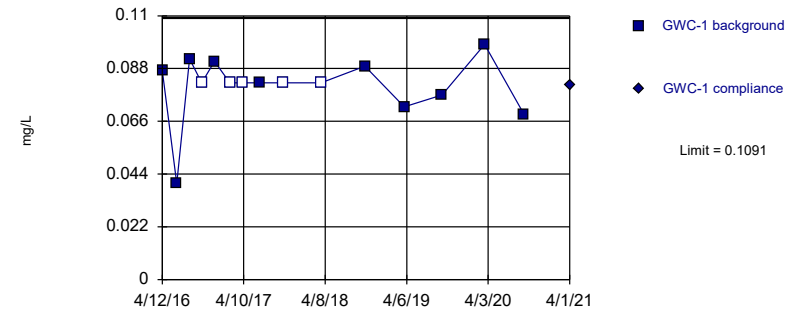


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

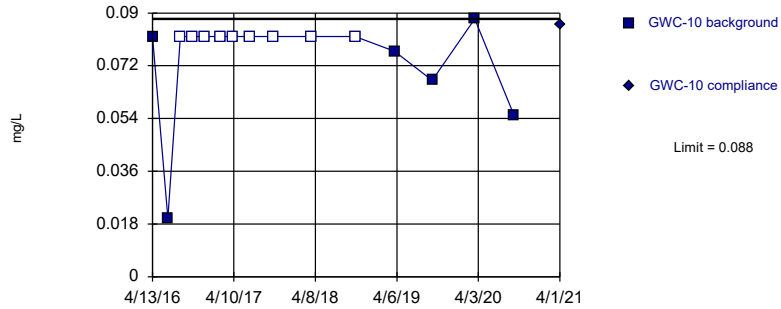


Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.006016, Std. Dev.=0.00223, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8926, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

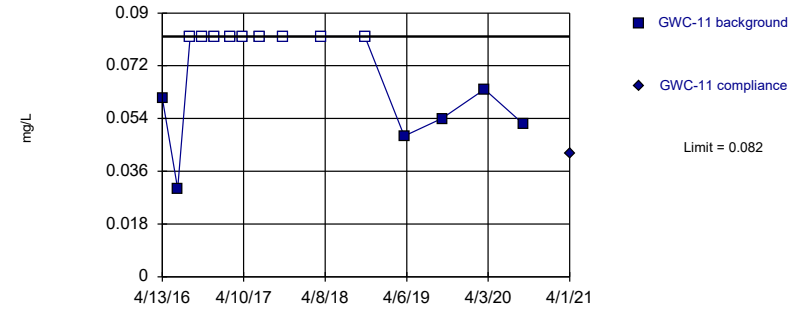


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

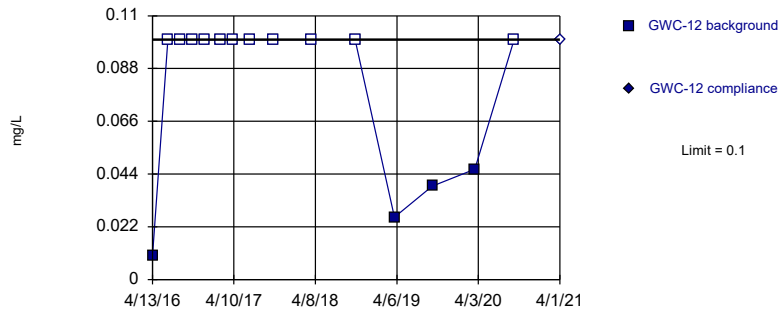


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

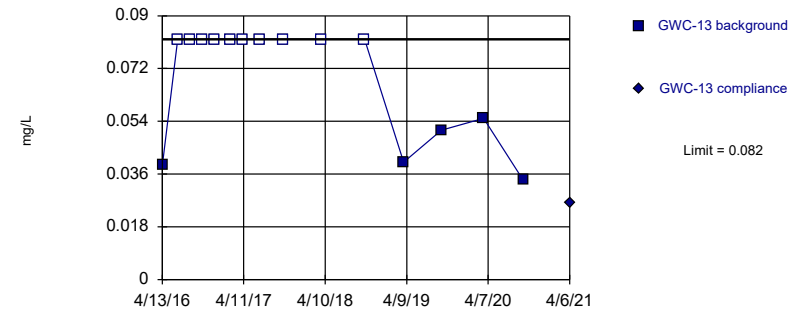


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



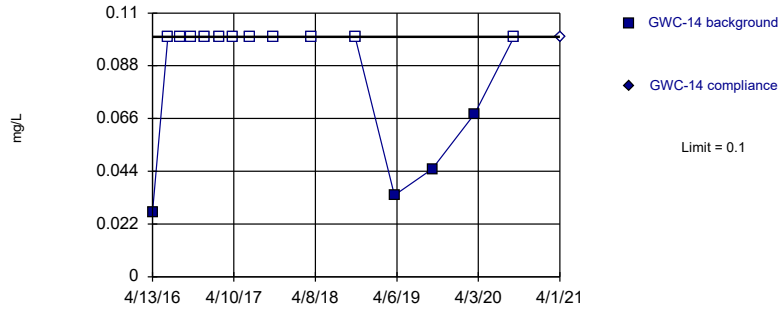
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

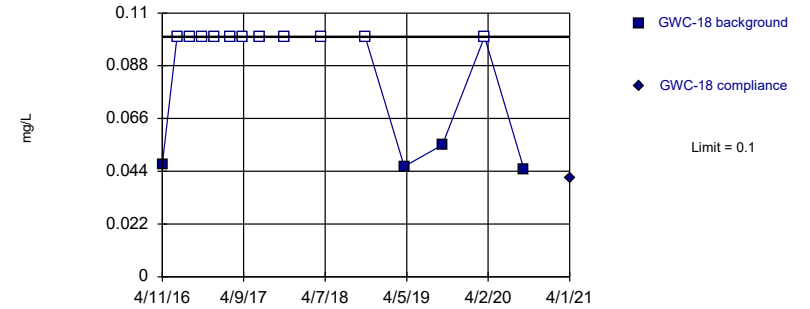


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

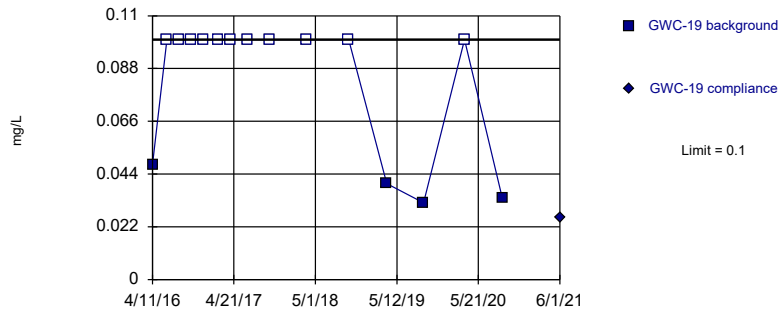


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

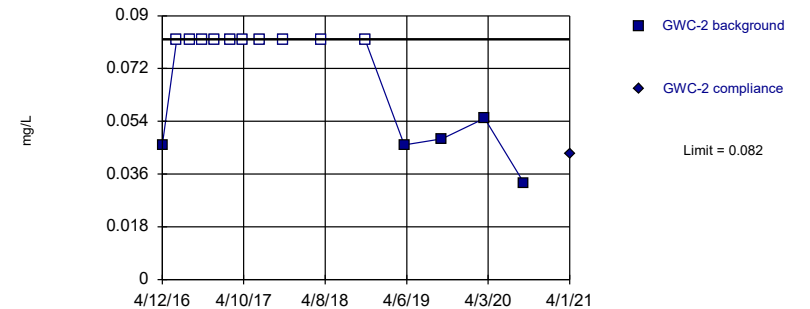


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

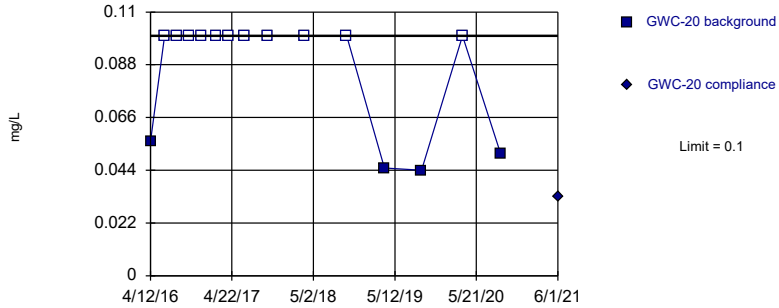


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

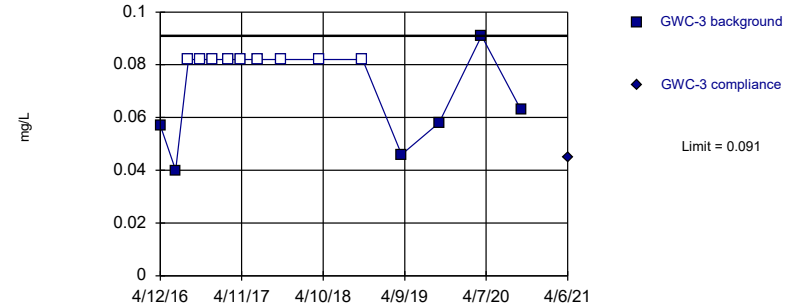


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

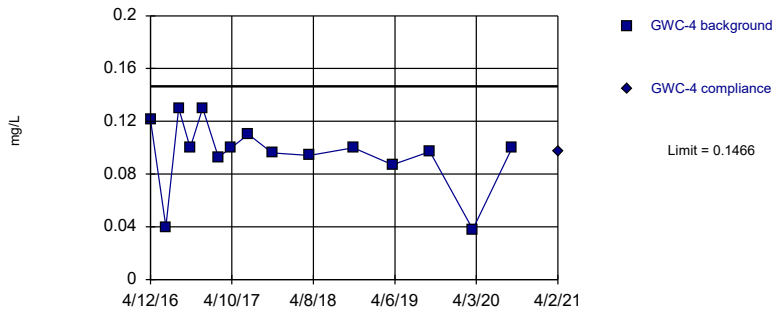


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

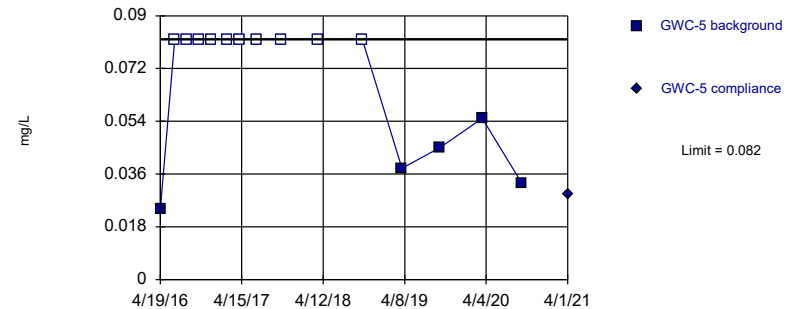


Background Data Summary (based on square transformation): Mean=0.009818, Std. Dev.=0.004428, n=15.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

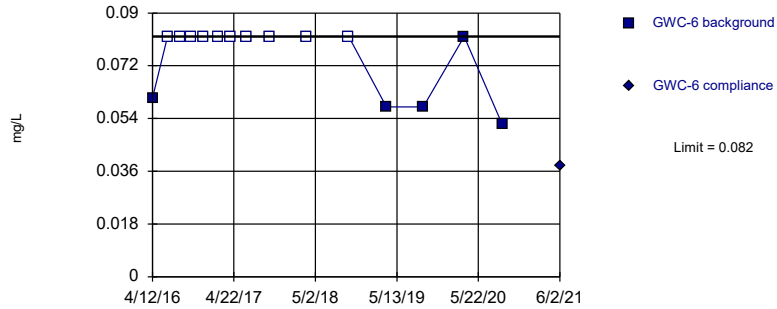


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

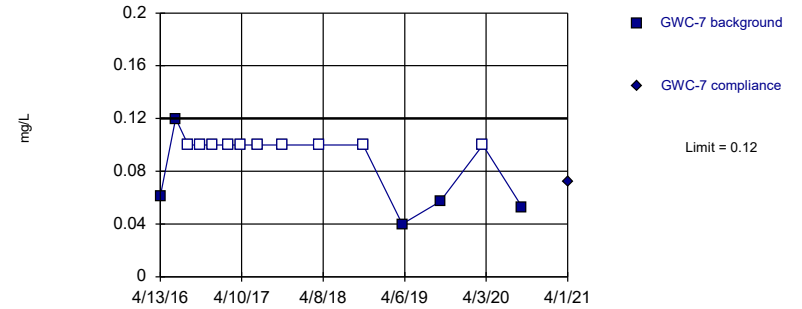


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

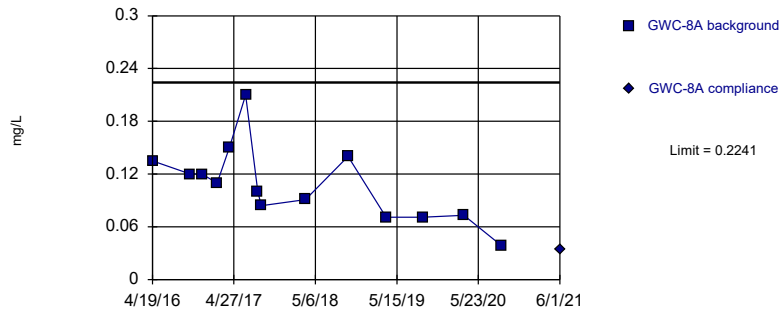


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

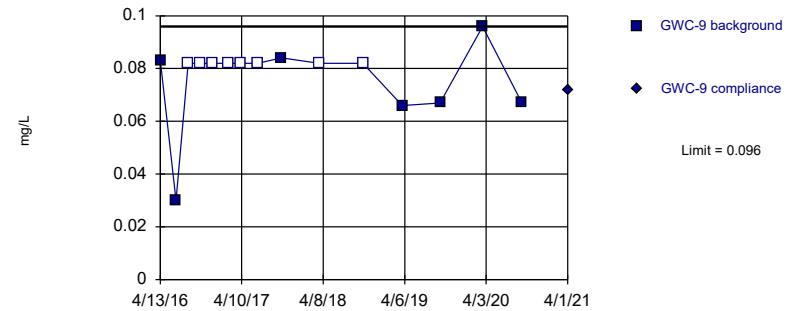


Background Data Summary: Mean=0.1081, Std. Dev.=0.04297, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.956, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

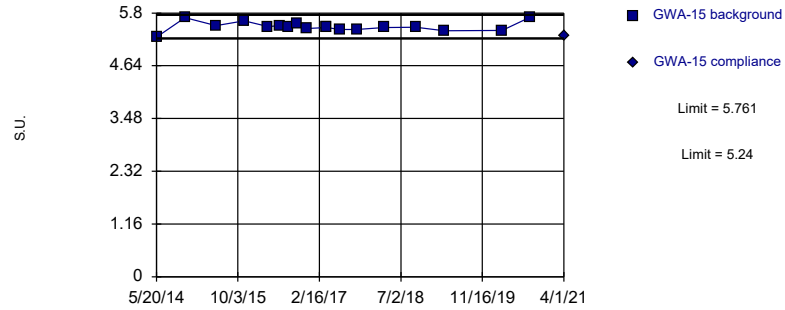


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

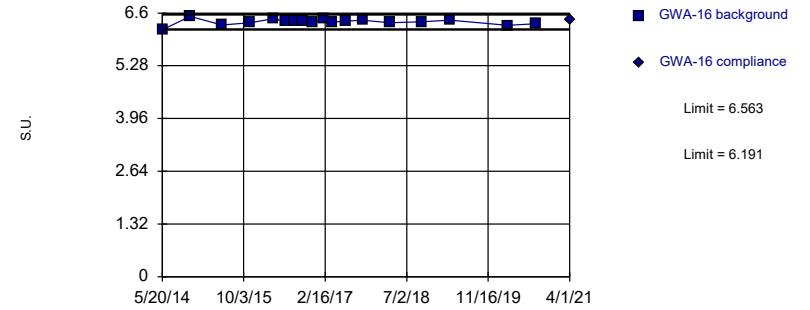


Background Data Summary: Mean=5.501, Std. Dev.=0.1037, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.919, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

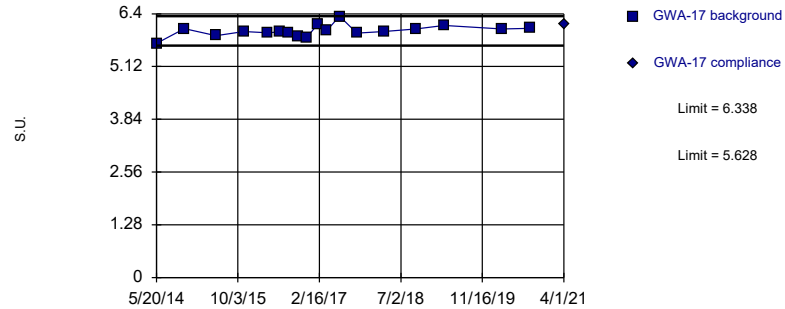


Background Data Summary: Mean=6.377, Std. Dev.=0.07404, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

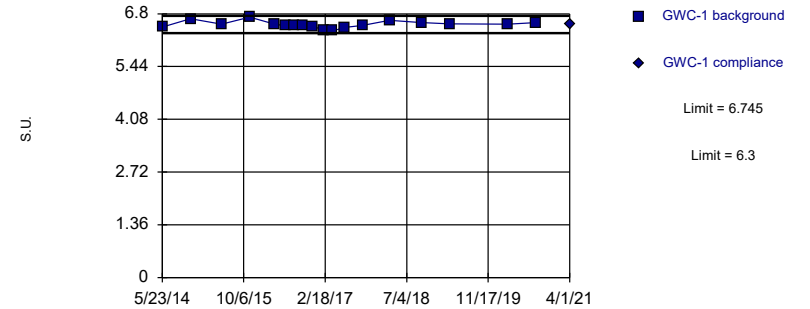


Background Data Summary: Mean=5.983, Std. Dev.=0.1415, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.957, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

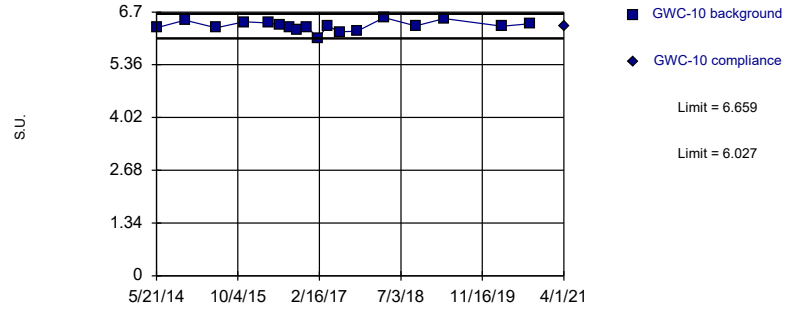


Background Data Summary: Mean=6.522, Std. Dev.=0.08869, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9604, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

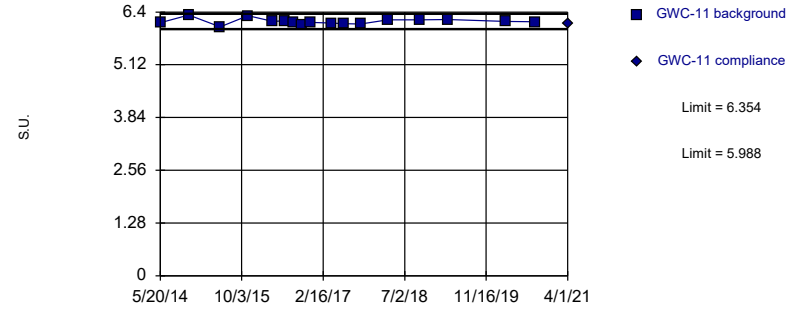


Background Data Summary: Mean=6.343, Std. Dev.=0.1259, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

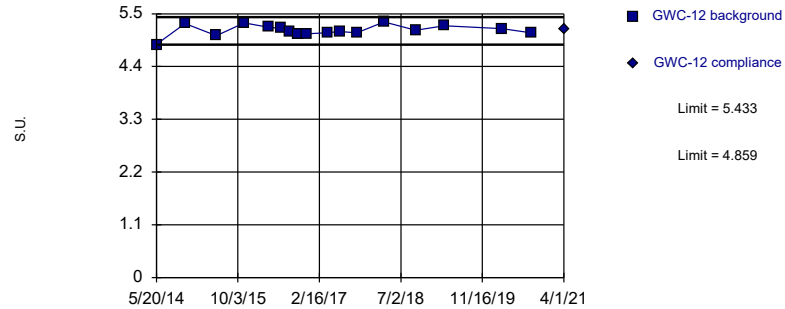


Background Data Summary: Mean=6.171, Std. Dev.=0.07184, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9396, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

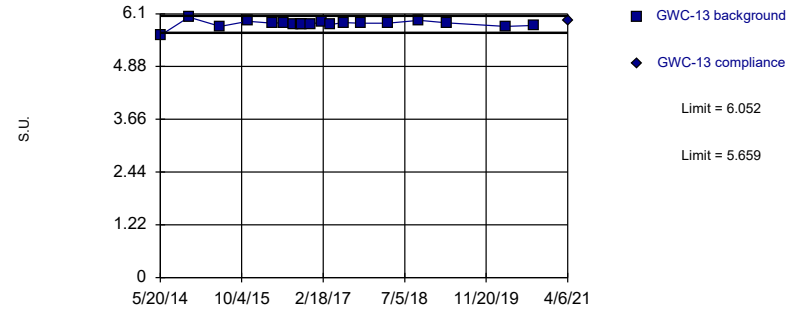


Background Data Summary: Mean=5.146, Std. Dev.=0.1143, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9429, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

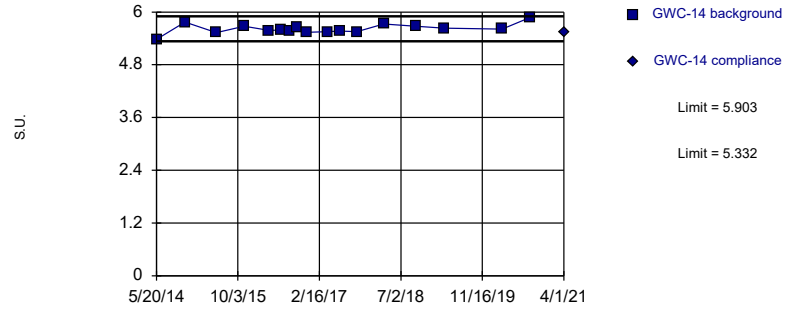


Background Data Summary (based on x\*5 transformation): Mean=6960, Std. Dev.=466.8, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8633, critical = 0.863. Kappa = 2.478 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

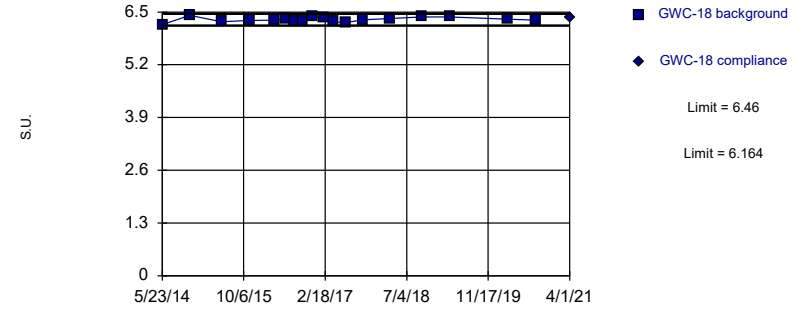


Background Data Summary: Mean=5.617, Std. Dev.=0.1122, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

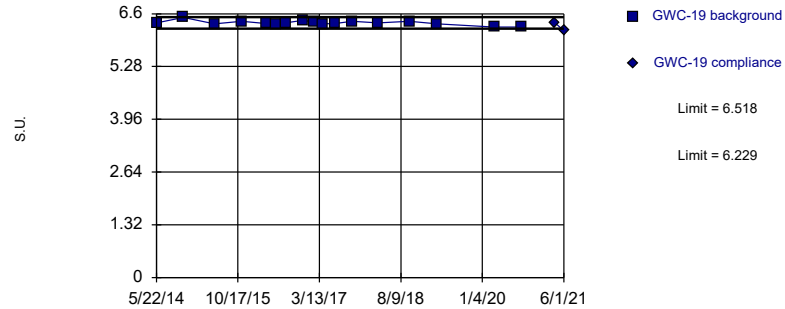


Background Data Summary: Mean=6.312, Std. Dev.=0.05897, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9854, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

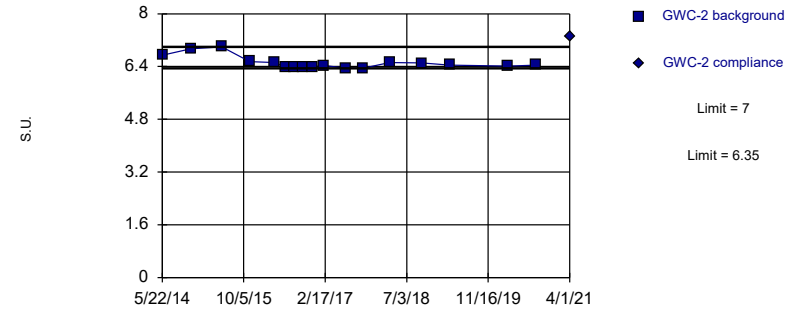


Background Data Summary: Mean=6.374, Std. Dev.=0.05689, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

Prediction Limit  
Intrawell Non-parametric

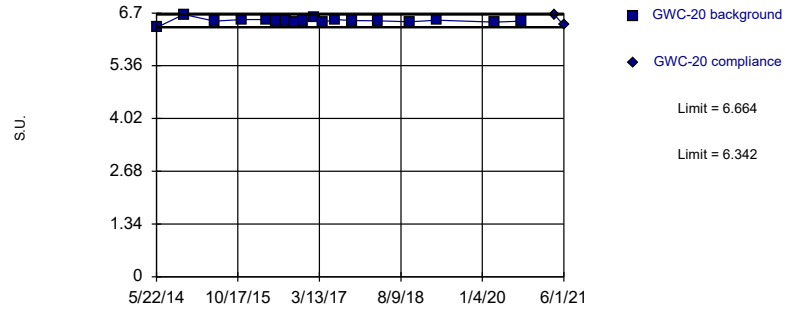


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

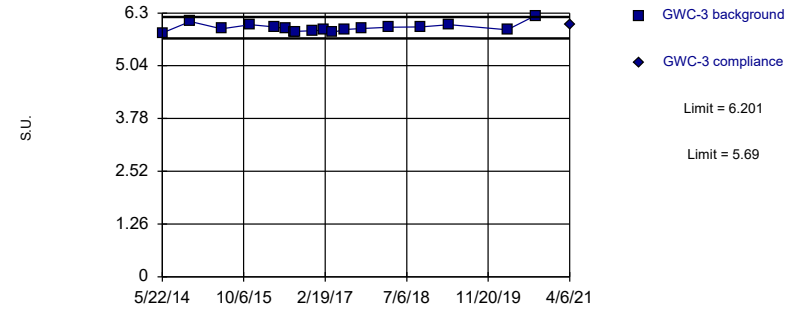


Background Data Summary: Mean=6.503, Std. Dev.=0.06408, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8614, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

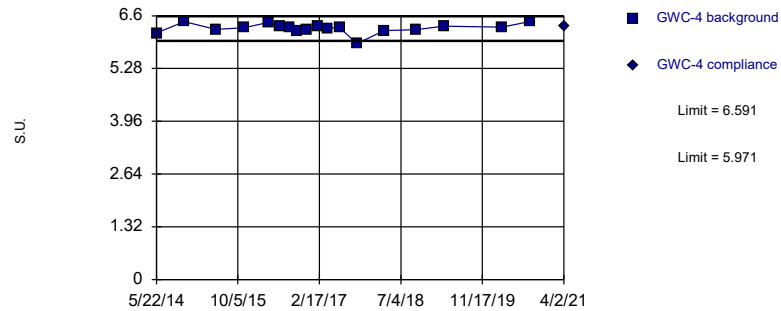


Background Data Summary: Mean=5.946, Std. Dev.=0.1019, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8758, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

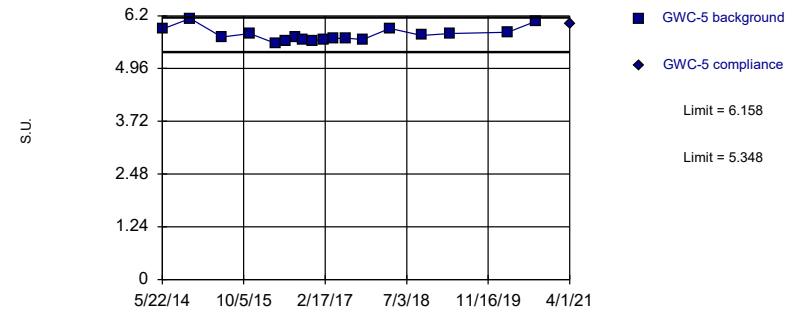


Background Data Summary (based on square transformation): Mean=39.54, Std. Dev.=1.551, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8631, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

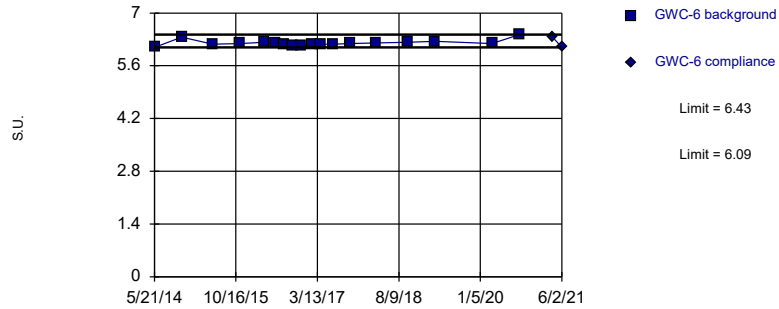


Background Data Summary: Mean=5.753, Std. Dev.=0.1613, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8787, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

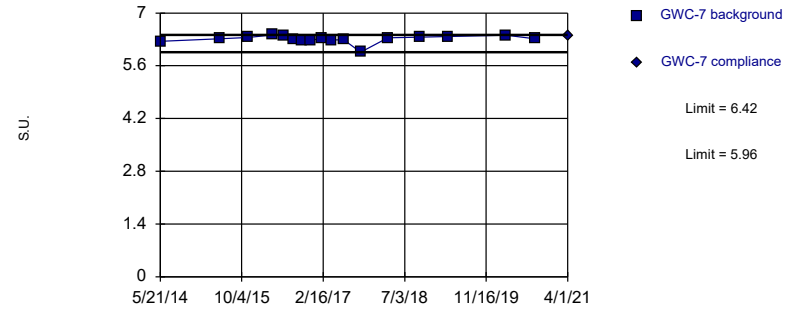


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

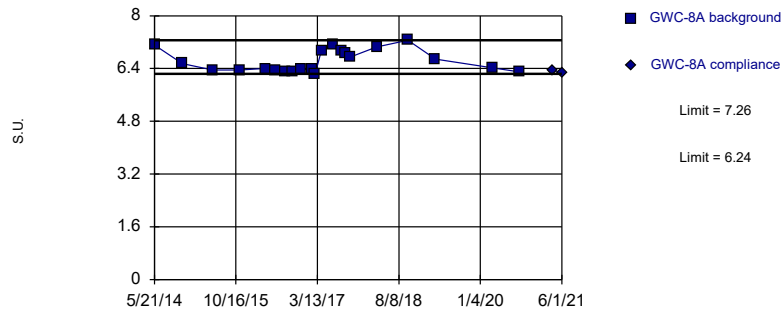


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

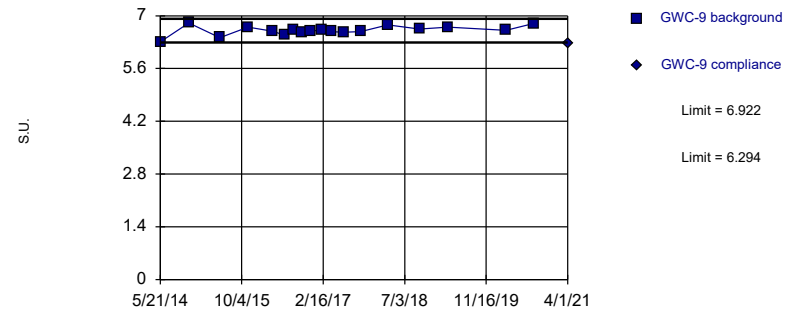


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 21 background values. Well-constituent pair annual alpha = 0.01596. Individual comparison alpha = 0.007998 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric



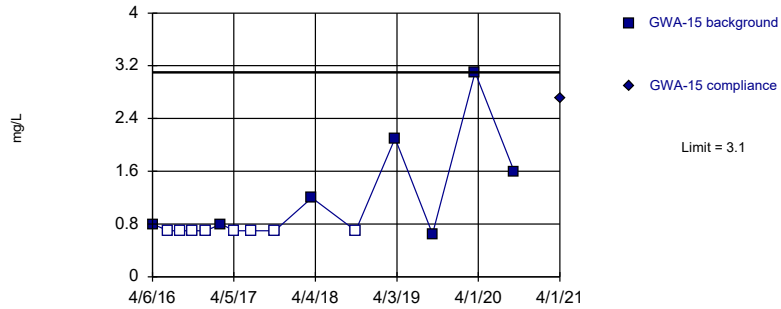
Background Data Summary: Mean=6.608, Std. Dev.=0.1251, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

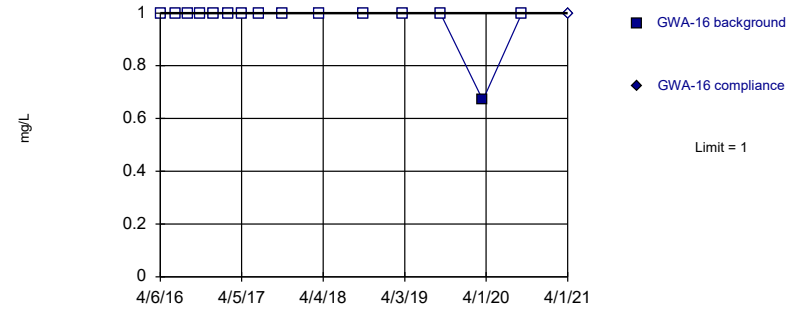


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

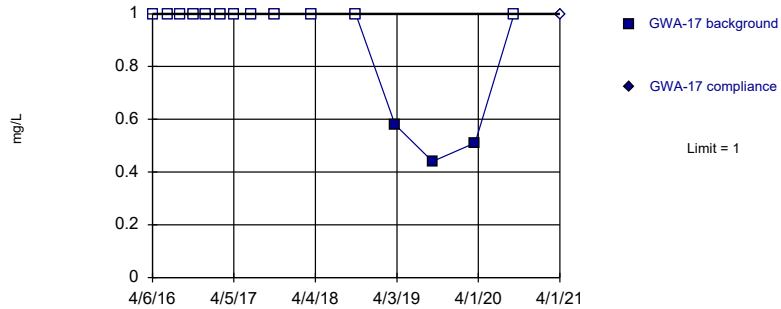


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

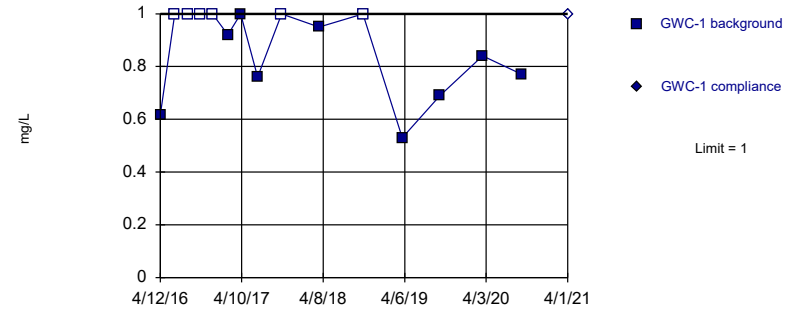


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

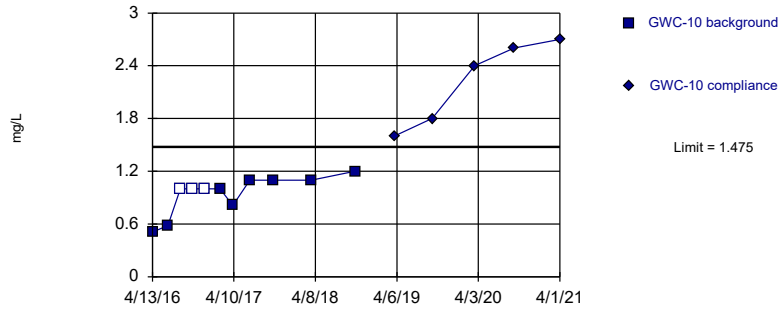


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

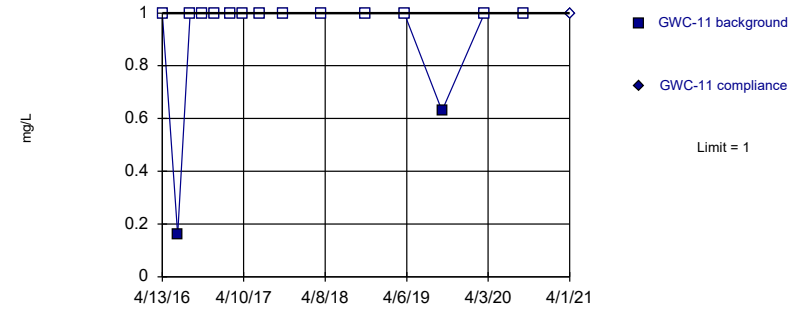


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7701, Std. Dev.=0.2398, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8327, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

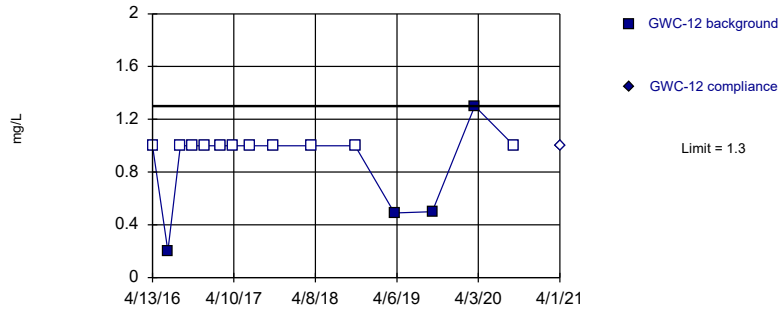


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

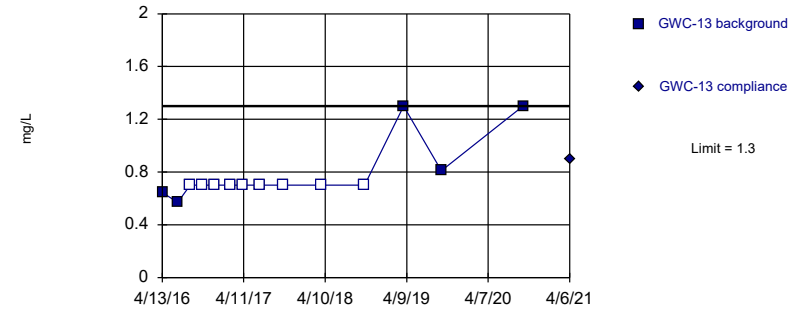


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

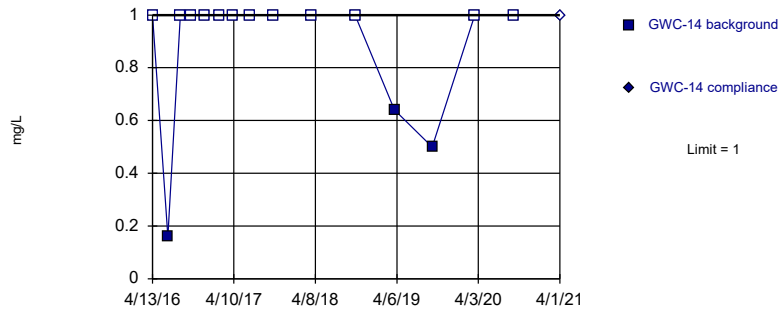


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

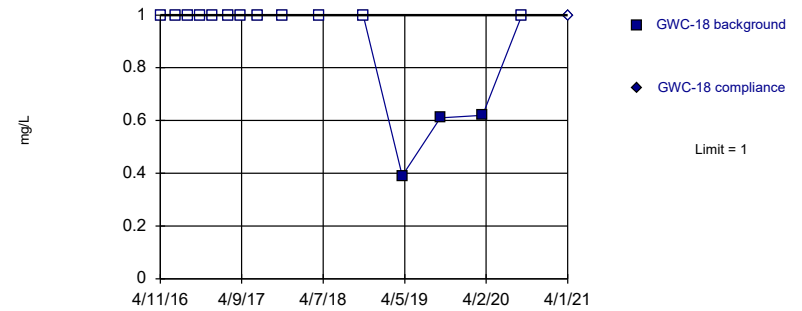


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

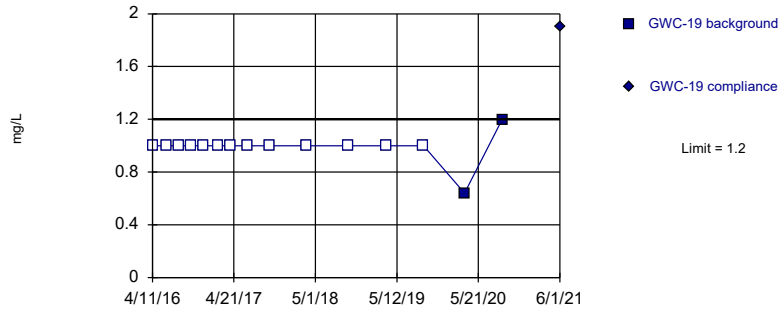


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

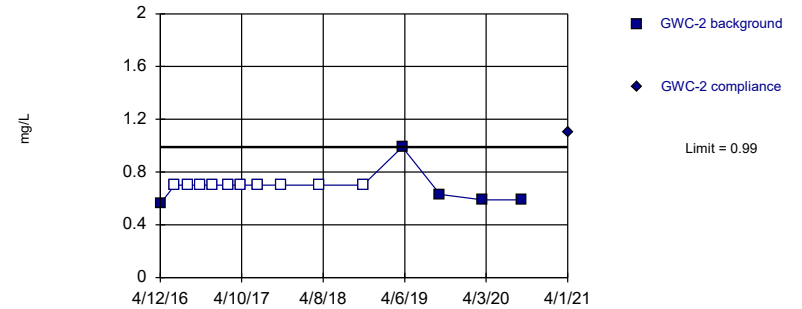


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

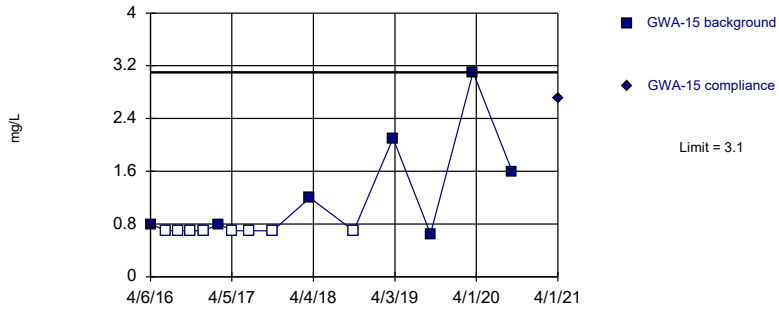


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

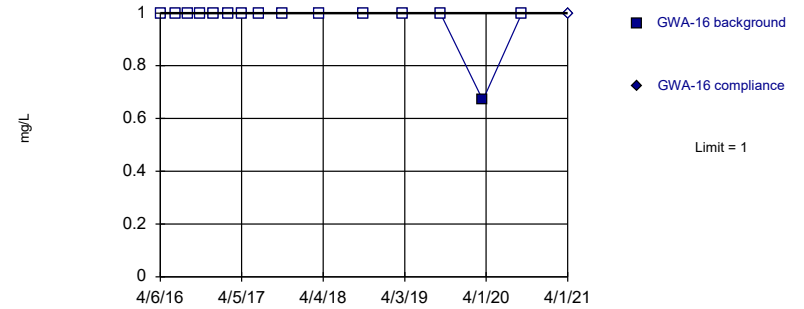


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

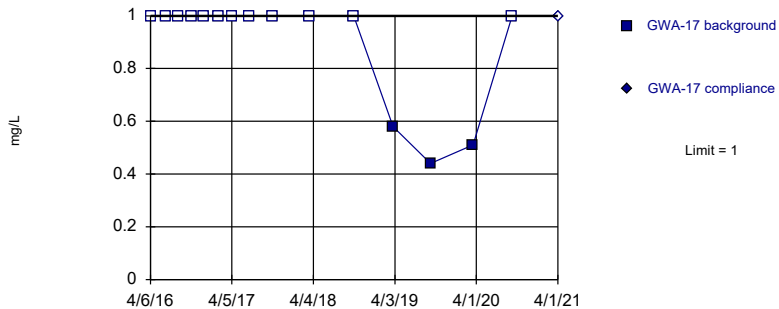


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

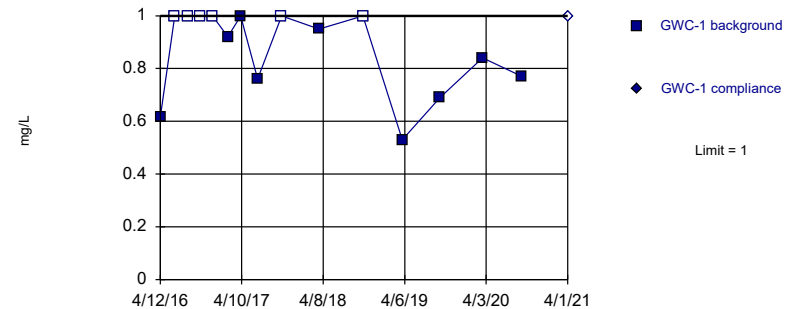


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

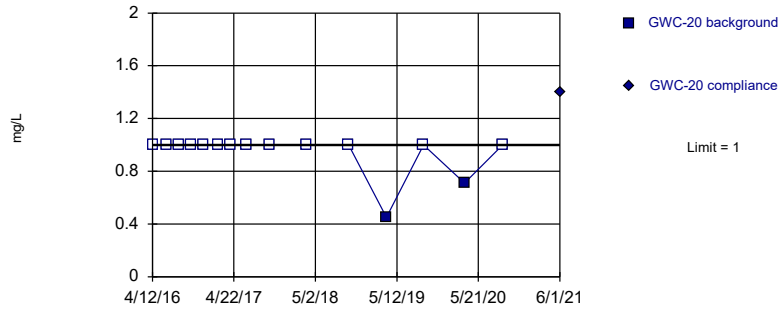


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

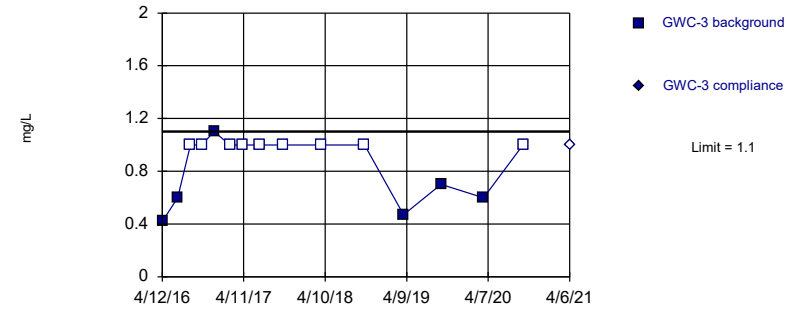


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:30 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

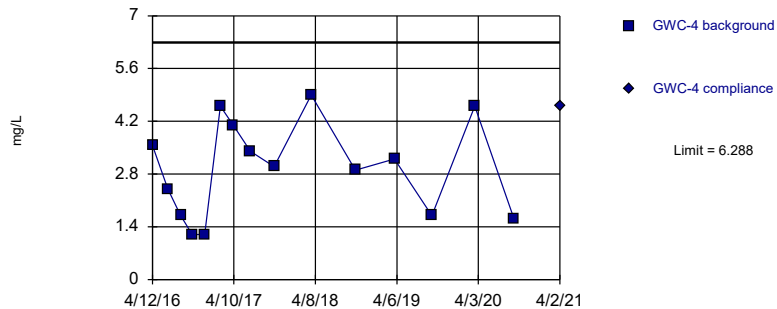


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:30 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

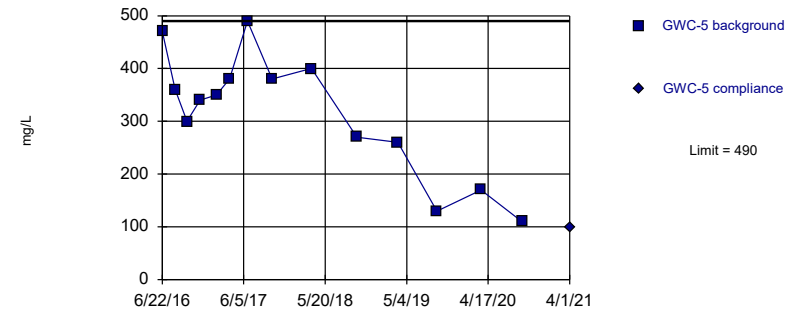


Background Data Summary: Mean=2.937, Std. Dev.=1.27, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:31 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

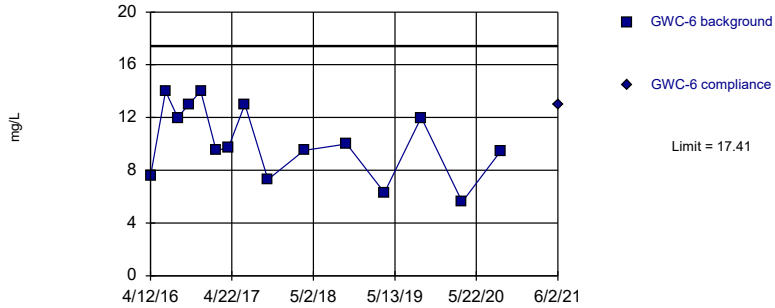


NP test selected by user. Limit is highest of 14 background values. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:31 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

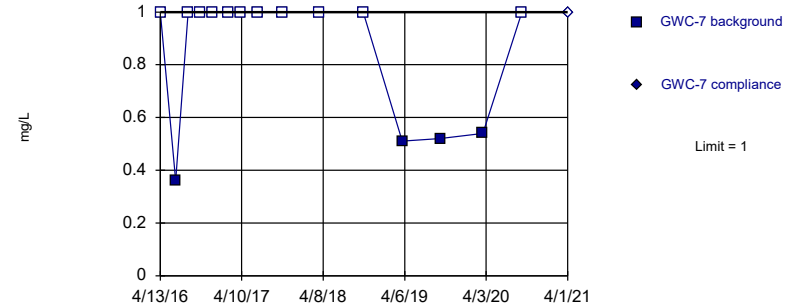


Background Data Summary: Mean=10.19, Std. Dev.=2.735, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9377, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

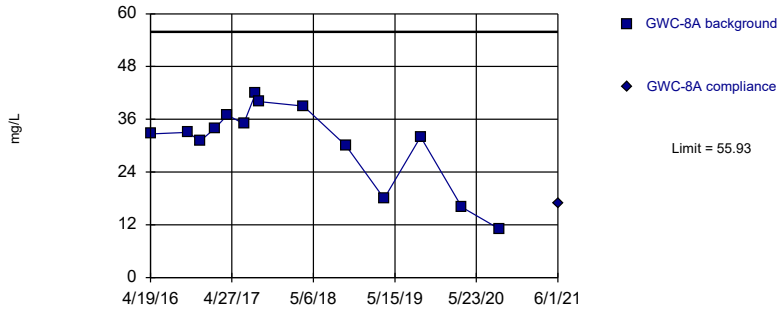


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

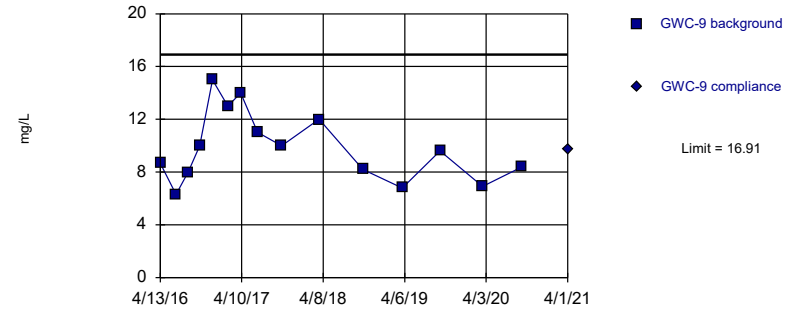


Background Data Summary: Mean=30.76, Std. Dev.=9.32, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8686, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric



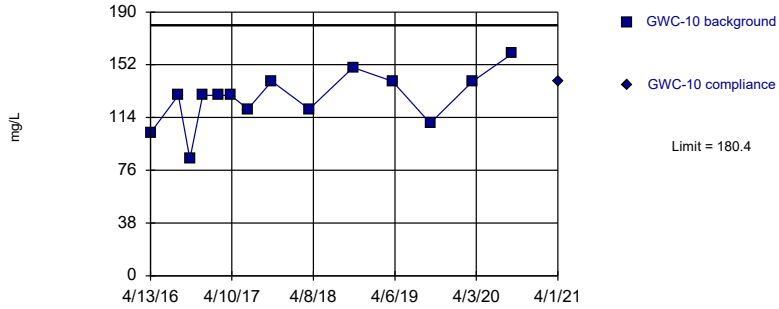
Background Data Summary: Mean=9.857, Std. Dev.=2.672, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9432, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

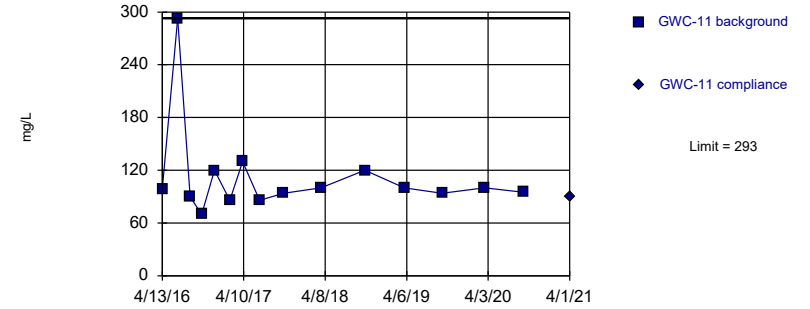


Background Data Summary: Mean=127.6, Std. Dev.=19.55, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9575, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

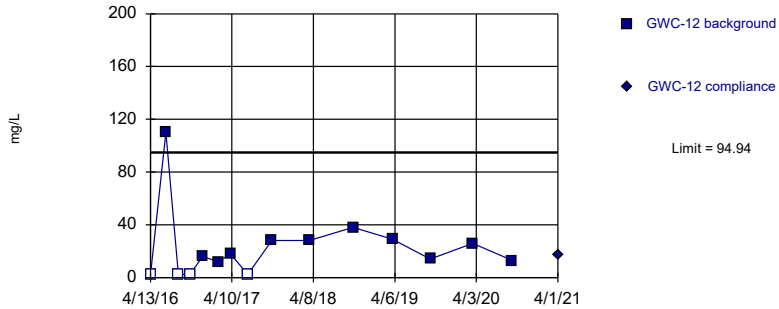


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

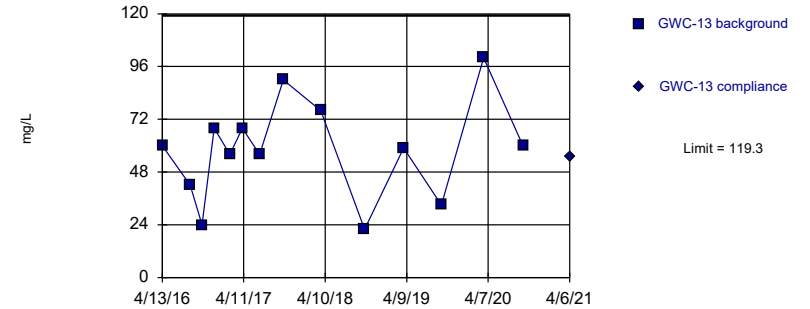


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.249, Std. Dev.=2.083, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8671, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



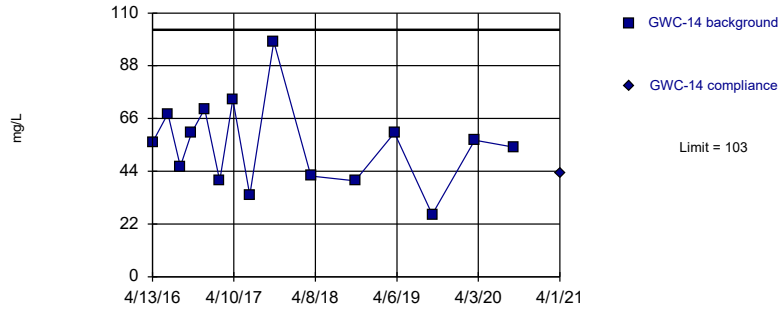
Background Data Summary: Mean=58.14, Std. Dev.=22.64, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

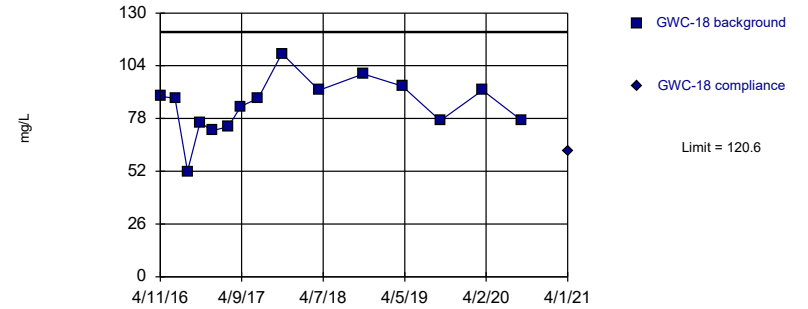


Background Data Summary: Mean=55, Std. Dev.=18.21, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

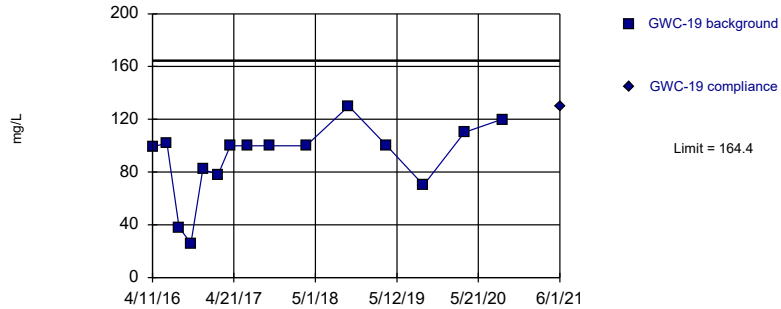


Background Data Summary: Mean=84.33, Std. Dev.=13.75, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9595, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

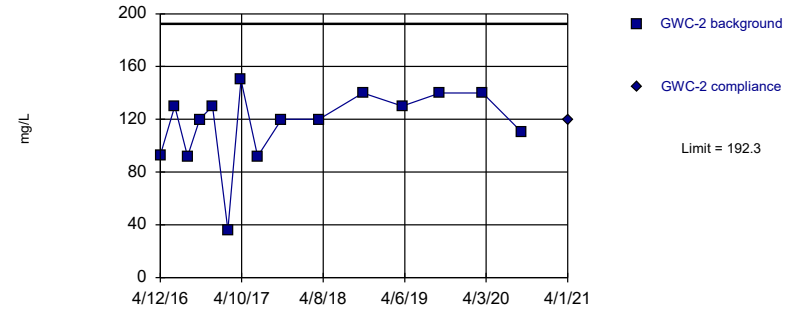


Background Data Summary: Mean=90.33, Std. Dev.=28.07, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8649, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

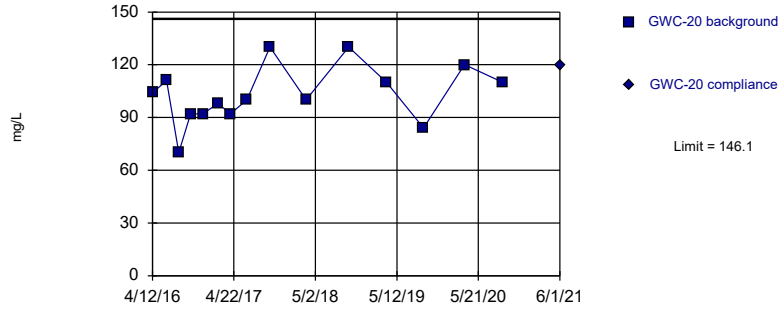


Background Data Summary: Mean=116.2, Std. Dev.=28.83, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8491, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

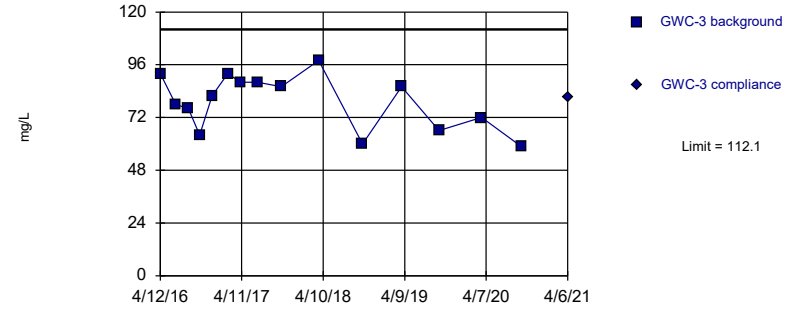


Background Data Summary: Mean=102.9, Std. Dev.=16.4, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9664, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

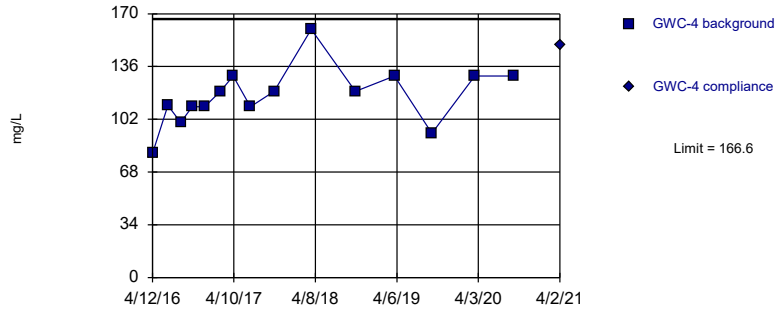


Background Data Summary: Mean=79.13, Std. Dev.=12.48, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

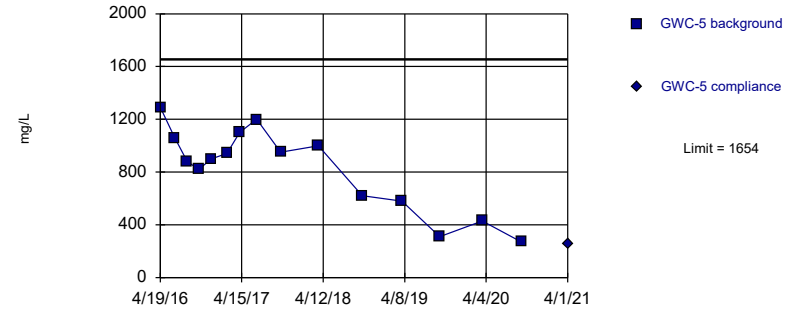


Background Data Summary: Mean=116.9, Std. Dev.=18.84, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

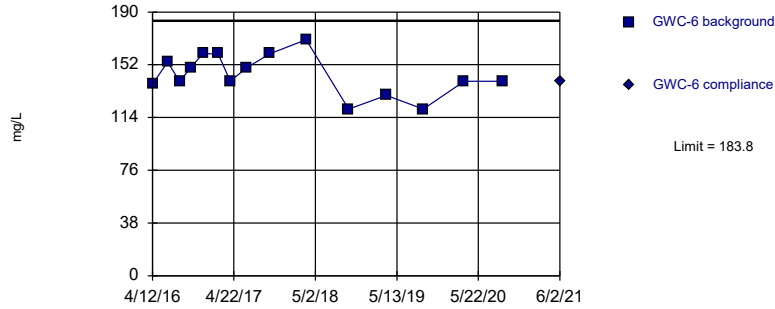


Background Data Summary: Mean=823.3, Std. Dev.=314.8, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

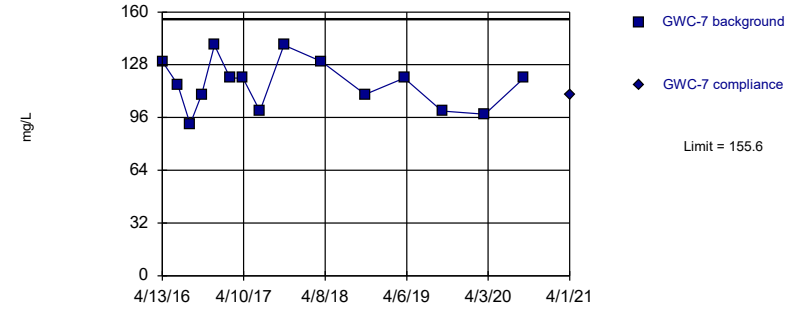


Background Data Summary: Mean=144.8, Std. Dev.=14.77, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

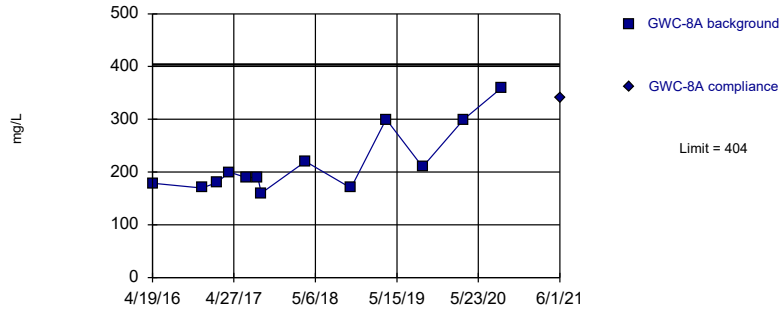


Background Data Summary: Mean=116.4, Std. Dev.=14.86, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

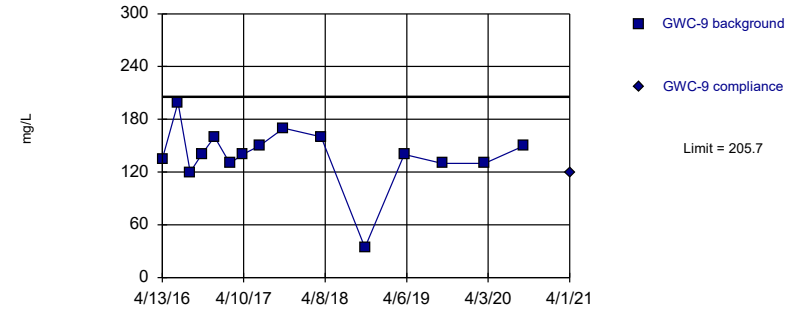


Background Data Summary (based on square root transformation): Mean=14.63, Std. Dev.=1.981, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8244, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=20532, Std. Dev.=8252, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	<0.08	
6/15/2016	0.0028 (J)	
8/10/2016	<0.08	
10/5/2016	<0.08	
11/29/2016	<0.08	
2/7/2017	<0.08	
4/4/2017	<0.08	
6/20/2017	<0.08	
10/5/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/9/2020	<0.08	
4/1/2021		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<0.08	
10/4/2016	<0.08	
11/30/2016	<0.08	
2/7/2017	<0.08	
4/5/2017	<0.08	
6/20/2017	<0.08	
10/4/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/9/2020	<0.08	
4/1/2021		0.053 (J)

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	<0.08 (D)	
6/21/2016	<0.08	
8/15/2016	<0.08	
10/7/2016	<0.08	
12/1/2016	<0.08	
2/9/2017	<0.08	
4/6/2017	<0.08	
6/22/2017	<0.08	
10/6/2017	<0.08	
3/22/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/11/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		0.056 (J)

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	<0.08 (D)	
6/20/2016	<0.08	
8/12/2016	<0.08	
10/5/2016	<0.08	
11/30/2016	<0.08	
2/8/2017	<0.08	
4/6/2017	<0.08	
6/21/2017	<0.08	
10/5/2017	<0.08	
3/21/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		0.078 (J)

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	<0.1	
6/22/2016	0.238	
8/16/2016	0.39	
10/6/2016	0.34	
12/1/2016	0.37	
2/9/2017	0.38	
4/6/2017	0.4	
6/21/2017	0.39	
10/5/2017	0.47	
3/22/2018	0.48	
10/3/2018	0.47	
3/27/2019	0.33	
9/11/2019	0.31	
3/18/2020	0.26	
9/9/2020	0.24	
4/1/2021		0.23



# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	<0.08	
6/20/2016	<0.08	
8/12/2016	<0.08	
10/6/2016	<0.08	
11/30/2016	<0.08	
2/9/2017	<0.08	
4/6/2017	<0.08	
6/21/2017	<0.08	
10/6/2017	<0.08	
3/21/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/11/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/5/2021		0.042 (J)

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	0.145	
10/10/2016	0.12	
12/1/2016	0.12	
2/9/2017	0.13	
4/7/2017	0.21	
6/21/2017	0.23	
8/15/2017	0.27	
9/1/2017	0.24	
3/22/2018	0.25	
10/4/2018	0.21	
3/27/2019	0.16	
9/11/2019	0.21	
3/18/2020	0.16	
9/9/2020	0.13	
4/5/2021		0.18

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	0.0774 (JD)	
6/22/2016	0.0663 (J)	
8/15/2016	0.093	
10/6/2016	0.096	
12/1/2016	0.12	
2/8/2017	0.094	
4/6/2017	0.11	
6/21/2017	0.1	
10/5/2017	0.083	
3/21/2018	0.089	
10/2/2018	0.083	
3/27/2019	0.067	
9/11/2019	0.083	
3/18/2020	0.058 (J)	
9/9/2020	0.088	
4/1/2021		0.059 (J)

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	3.62	
6/15/2016	4.5	
8/10/2016	3.8	
10/4/2016	5.3	
11/30/2016	4.7	
2/7/2017	3.8	
4/4/2017	3.8	
6/20/2017	4.1	
10/4/2017	4.6	
3/20/2018	4.2 (D)	
10/2/2018	4.2	
3/26/2019	4	
9/10/2019	4.8	
3/18/2020	3.8	
9/9/2020	4	
4/1/2021		4

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	12.1	
6/15/2016	11.8	
8/10/2016	10	
10/4/2016	14	
11/29/2016	10	
2/7/2017	12	
4/4/2017	11	
6/20/2017	11	
10/5/2017	13	
3/20/2018	12	
10/2/2018	11	
3/26/2019	11	
9/10/2019	12	
3/18/2020	12	
9/9/2020	11	
4/1/2021		12

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	6.58	
6/15/2016	6.9	
8/10/2016	5.5	
10/5/2016	6.8	
11/29/2016	4.8	
2/7/2017	7.8	
4/4/2017	6.4	
6/20/2017	7	
10/5/2017	6.6	
3/20/2018	6.6	
10/2/2018	5.8	
3/26/2019	6.7	
9/10/2019	7.5	
3/18/2020	7.3	
9/9/2020	7.3	
4/1/2021		7.8

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	17.1	
6/16/2016	19.8	
8/11/2016	15	
10/4/2016	17	
11/30/2016	16	
2/7/2017	17	
4/5/2017	16	
6/20/2017	17	
10/4/2017	19	
3/20/2018	18	
10/2/2018	16	
3/26/2019	16	
9/10/2019	17	
3/18/2020	19	
9/9/2020	17	
4/1/2021		18

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	15.6 (D)	
6/21/2016	14.4	
8/15/2016	14	
10/5/2016	17	
12/1/2016	15	
2/8/2017	17	
4/6/2017	16	
6/21/2017	16 (D)	
10/5/2017	19	
3/21/2018	17	
10/2/2018	17	
3/27/2019	16	
9/11/2019	18	
3/18/2020	20	
9/9/2020	20	
4/1/2021		19



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	12.8 (D)	
6/21/2016	11.6	
8/15/2016	11	
10/5/2016	14	
12/1/2016	12	
2/8/2017	13	
4/6/2017	12	
6/20/2017	13	
10/5/2017	14	
3/21/2018	13	
10/2/2018	12	
3/27/2019	12	
9/11/2019	13	
3/18/2020	14	
9/10/2020	13	
4/1/2021		13

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	1.18 (D)	
6/21/2016	1.12	
8/15/2016	0.95	
10/5/2016	1	
12/1/2016	0.92	
2/8/2017	1.2	
4/5/2017	1.1	
6/20/2017	0.96	
10/5/2017	1.1	
3/21/2018	1.3 (D)	
10/2/2018	0.86	
3/26/2019	1.1	
9/11/2019	0.94	
3/18/2020	1.6	
9/10/2020	1.1	
4/1/2021		1.2

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	5.71 (D)	
6/21/2016	5.54	
8/15/2016	5.8	
10/7/2016	6.1	
12/1/2016	5.8	
2/9/2017	6.3	
4/6/2017	5.8	
6/22/2017	6.4 (D)	
10/6/2017	7.4	
3/22/2018	6.8	
10/3/2018	6.4	
3/26/2019	6.3	
9/11/2019	7	
3/18/2020	9.3	
9/10/2020	6.7	
4/6/2021		7.4

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	6.55 (D)	
6/21/2016	6.04	
8/15/2016	5.9	
10/4/2016	6.6	
12/1/2016	5.4	
2/7/2017	6.1	
4/6/2017	6.1	
6/20/2017	6.6	
10/5/2017	7.2	
3/20/2018	6.6	
10/2/2018	6.5	
3/26/2019	6.4	
9/11/2019	7.3	
3/18/2020	6.9	
9/9/2020	6.5	
4/1/2021		6.2

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	10.5	
6/16/2016	11.6	
8/11/2016	10	
10/5/2016	11	
11/29/2016	9.6	
2/8/2017	10	
4/6/2017	9.7	
6/21/2017	9.7 (D)	
10/5/2017	11	
3/20/2018	11	
10/2/2018	9.6	
3/26/2019	9.6	
9/11/2019	10	
3/18/2020	11	
9/9/2020	10	
4/1/2021		11

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	10.4	
6/16/2016	12.2	
8/11/2016	9.5	
10/5/2016	11	
11/29/2016	9.8	
2/8/2017	10	
4/5/2017	10	
6/21/2017	10 (D)	
10/5/2017	12	
3/20/2018	12	
10/2/2018	11	
3/26/2019	11	
9/12/2019	14	
3/19/2020	14	
9/9/2020	15	
4/5/2021		15

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	17	
6/16/2016	19.7	
8/11/2016	15	
10/4/2016	18	
11/30/2016	16	
2/7/2017	18	
4/6/2017	16	
6/20/2017	17	
10/4/2017	19	
3/20/2018	18	
10/2/2018	16	
3/26/2019	17	
9/10/2019	18	
3/18/2020	18	
9/9/2020	17	
4/1/2021		17

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	13.5	
6/16/2016	15	
8/11/2016	12	
10/5/2016	14	
11/30/2016	12	
2/8/2017	14	
4/6/2017	13	
6/21/2017	13 (D)	
10/5/2017	15	
3/21/2018	14	
10/3/2018	13	
3/26/2019	12	
9/12/2019	14	
3/19/2020	14	
9/10/2020	13	
4/5/2021		14



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	8.52 (D)	
6/20/2016	7.7	
8/12/2016	7.3	
10/5/2016	8.4	
11/30/2016	8	
2/8/2017	9.3	
4/6/2017	8.1	
6/21/2017	9.2 (D)	
10/5/2017	10	
3/21/2018	9.3	
10/3/2018	7.5	
3/26/2019	7.3	
9/10/2019	6.6	
3/18/2020	5.9	
9/10/2020	6.3	
4/6/2021		7.4

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	11	
6/20/2016	10.1	
8/12/2016	9.9	
10/6/2016	12	
11/30/2016	11	
2/8/2017	13	
4/6/2017	12	
6/22/2017	13 (D)	
10/6/2017	15	
3/21/2018	15	
10/3/2018	13	
3/26/2019	13	
9/10/2019	12	
3/19/2020	14	
9/10/2020	13	
4/2/2021		15

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	198	
6/22/2016	132	
8/16/2016	94	
10/6/2016	100	
12/1/2016	100	
2/9/2017	120	
4/6/2017	140	
6/21/2017	160 (D)	
10/5/2017	130	
3/22/2018	130	
10/3/2018	88	
3/27/2019	75	
9/11/2019	46	
3/18/2020	61	
9/9/2020	35	
4/1/2021		40

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	17.8	
6/20/2016	19.5	
8/12/2016	17	
10/6/2016	19	
11/30/2016	19	
2/9/2017	18	
4/6/2017	18	
6/21/2017	19 (D)	
10/6/2017	19	
3/21/2018	19	
10/3/2018	16	
3/26/2019	16	
9/11/2019	19	
3/18/2020	15	
9/10/2020	16	
4/5/2021		16

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	14 (D)	
6/20/2016	13.8	
8/15/2016	13	
10/6/2016	14	
12/1/2016	13	
2/9/2017	14	
4/7/2017	14	
6/22/2017	14 (D)	
10/6/2017	16	
3/22/2018	15	
10/4/2018	13	
3/27/2019	14	
9/11/2019	14	
3/19/2020	15	
9/10/2020	15	
4/1/2021		15

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	20	
10/10/2016	19	
12/1/2016	18	
2/9/2017	20	
4/7/2017	27	
6/21/2017	27 (D)	
8/15/2017	29	
9/1/2017	32	
3/22/2018	30	
10/4/2018	37	
3/27/2019		47
9/11/2019		37
3/18/2020		53
9/9/2020		64
4/5/2021		52

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	18 (D)	
6/22/2016	16.7	
8/15/2016	16	
10/6/2016	17	
12/1/2016	17	
2/8/2017	18	
4/6/2017	17	
6/21/2017	17 (D)	
10/5/2017	19	
3/21/2018	19	
10/2/2018	16	
3/27/2019	16	
9/11/2019	17	
3/18/2020	16	
9/9/2020	16	
4/1/2021		16

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	5.342	
6/15/2016	5.2	
8/10/2016	5.5	
10/4/2016	5.4	
11/30/2016	5.4	
2/7/2017	5.1	
4/4/2017	5.1	
6/20/2017	5.2	
10/4/2017	5.2	
3/20/2018	5.6 (D)	
10/2/2018	6.3	
3/26/2019	5.5	
9/10/2019	5.2	
3/18/2020	5.4	
9/9/2020	6.1	
4/1/2021		7



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	1.789	
6/15/2016	2.1	
8/10/2016	1.8	
10/4/2016	1.7	
11/29/2016	1.7	
2/7/2017	1.6	
4/4/2017	1.6	
6/20/2017	1.6	
10/5/2017	1.5	
3/20/2018	1.5	
10/2/2018	1.6	
3/26/2019	1.5	
9/10/2019	1.4	
3/18/2020	1.7	
9/9/2020	1.6	
4/1/2021		1.8

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	1.69	
6/15/2016	1.9	
8/10/2016	1.7	
10/5/2016	1.6	
11/29/2016	1.7	
2/7/2017	1.6	
4/4/2017	1.5	
6/20/2017	1.5	
10/5/2017	1.5	
3/20/2018	1.4	
10/2/2018	1.5	
3/26/2019	1.3	
9/10/2019	1.3	
3/18/2020	2	
9/9/2020	1.3	
4/1/2021		1.5

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	4.32	
6/16/2016	3.8	
8/11/2016	4	
10/4/2016	3.6	
11/30/2016	3.8	
2/7/2017	4.3	
4/5/2017	4.1	
6/20/2017	3.9	
10/4/2017	3.6	
3/20/2018	3.9	
10/2/2018	3.7	
3/26/2019	3.6	
9/10/2019	2.9	
3/18/2020	4.2	
9/9/2020	3.9	
4/1/2021		4.2

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	2.04 (D)	
6/21/2016	2.2	
8/15/2016	2.2	
10/5/2016	2.1	
12/1/2016	2.1	
2/8/2017	2.3	
4/6/2017	2.2	
6/21/2017	2.3	
10/5/2017	2.3	
3/21/2018	2.3	
10/2/2018	2.6	
3/27/2019	2.4	
9/11/2019	2.9	
3/18/2020	4.1	
9/9/2020	4.3	
4/1/2021		4.4

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	1.78 (D)	
6/21/2016	2	
8/15/2016	1.9	
10/5/2016	1.8	
12/1/2016	1.8	
2/8/2017	1.8	
4/6/2017	1.7	
6/20/2017	1.7	
10/5/2017	1.7	
3/21/2018	1.6	
10/2/2018	1.7	
3/27/2019	1.5	
9/11/2019	1.8	
3/18/2020	1.9	
9/10/2020	1.9	
4/1/2021		1.9

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	1.8 (D)	
6/21/2016	2	
8/15/2016	1.8	
10/5/2016	1.7	
12/1/2016	1.7	
2/8/2017	1.7	
4/5/2017	1.7	
6/20/2017	1.6	
10/5/2017	1.6	
3/21/2018	1.6 (D)	
10/2/2018	1.6	
3/26/2019	1.7	
9/11/2019	1.9	
3/18/2020	2.1	
9/10/2020	1.8	
4/1/2021		2

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	1.82 (D)	
6/21/2016	1.9	
8/15/2016	1.6	
10/7/2016	1.5	
12/1/2016	1.4	
2/9/2017	1.5	
4/6/2017	1.4	
6/22/2017	1.5	
10/6/2017	1.3	
3/22/2018	1.4	
10/3/2018	1.5	
3/26/2019	1.6	
9/11/2019	1.5	
3/18/2020	1.6	
9/10/2020	1.7	
4/6/2021		1.8

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	2.71 (D)	
6/21/2016	3	
8/15/2016	3.1	
10/4/2016	3	
12/1/2016	3.1	
2/7/2017	2.9	
4/6/2017	2.7	
6/20/2017	2.9	
10/5/2017	2.8	
3/20/2018	2.7	
10/2/2018	3	
3/26/2019	2.5	
9/11/2019	3.1	
3/18/2020	3	
9/9/2020	2.9	
4/1/2021		3.8



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	2.53	
6/16/2016	2.5	
8/11/2016	2.6	
10/5/2016	2.5	
11/29/2016	2.4	
2/8/2017	2.5	
4/6/2017	2.4	
6/21/2017	2.4	
10/5/2017	2.3	
3/20/2018	2.3	
10/2/2018	2.5	
3/26/2019	2.7	
9/11/2019	2.6	
3/18/2020	2.7	
9/9/2020	2.8	
4/1/2021		2.8

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	1.84	
6/16/2016	1.9	
8/11/2016	1.9	
10/5/2016	1.7	
11/29/2016	1.7	
2/8/2017	1.7	
4/5/2017	1.7	
6/21/2017	1.7	
10/5/2017	1.6	
3/20/2018	1.6	
10/2/2018	1.7	
3/26/2019	1.8	
9/12/2019	1.5	
3/19/2020	2.2	
9/9/2020	2.4	
6/1/2021		2.6

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	2.34	
6/16/2016	2.4	
8/11/2016	2.4	
10/4/2016	2.2	
11/30/2016	2.2	
2/7/2017	2.1	
4/6/2017	2.1	
6/20/2017	2.1	
10/4/2017	2	
3/20/2018	2	
10/2/2018	2	
3/26/2019	1.9	
9/10/2019	1.7	
3/18/2020	2.4	
9/9/2020	2	
4/1/2021		2.5

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	2.03	
6/16/2016	2.2	
8/11/2016	2.1	
10/5/2016	1.9	
11/30/2016	2	
2/8/2017	2	
4/6/2017	<1	
6/21/2017	1.9	
10/5/2017	1.9	
3/21/2018	1.8	
10/3/2018	2	
3/26/2019	1.9	
9/12/2019	1.6	
3/19/2020	2.2	
9/10/2020	2.1	
6/1/2021		2.1

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	3.04 (D)	
6/20/2016	3.1	
8/16/2016	3.2	
10/5/2016	3.2	
11/30/2016	3.3	
2/8/2017	3.5	
4/6/2017	3.4	
6/21/2017	3.5	
10/5/2017	3.5	
3/21/2018	3.4	
10/3/2018	3.5	
3/26/2019	3	
9/10/2019	2.5	
3/18/2020	2.8	
9/10/2020	2.7	
4/6/2021		2.9

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	4.57	
6/20/2016	3.1	
8/16/2016	3.2	
10/6/2016	3.4	
11/30/2016	4.1	
2/8/2017	7.2	
4/6/2017	7.4	
6/22/2017	7.8	
10/6/2017	9.1	
3/21/2018	13	
10/3/2018	13	
3/26/2019	9.2	
9/10/2019	5.1	
3/19/2020	8.7	
9/10/2020	9.7	
4/2/2021		11

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	124 (o)	
6/22/2016	81	
8/16/2016	71	
10/6/2016	68	
12/1/2016	74	
2/9/2017	76	
4/6/2017	92	
6/21/2017	100	
10/5/2017	67	
3/22/2018	74	
10/3/2018	46	
3/27/2019	42	
9/11/2019	19	
3/18/2020	30	
9/9/2020	8.7	
4/1/2021		18

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
6/20/2016	6.8	
8/16/2016	7.6	
10/6/2016	7.3	
11/30/2016	7.1	
2/9/2017	5.8	
4/6/2017	5.7	
6/21/2017	6.1	
10/6/2017	5.1	
3/21/2018	5.4	
10/3/2018	5.7	
3/26/2019	4.2	
9/11/2019	7.2	
3/18/2020	4	
9/10/2020	6.3	
6/2/2021		6.3



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	1.68 (D)	
6/20/2016	2	
8/15/2016	1.8	
10/6/2016	1.7	
12/1/2016	1.7	
2/9/2017	1.7	
4/7/2017	1.7	
6/22/2017	1.6	
10/6/2017	1.6	
3/22/2018	1.6	
10/4/2018	1.7	
3/27/2019	1.7	
9/11/2019	2.1	
3/19/2020	2.1	
9/10/2020	2.5	
4/1/2021		2.9

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	6.9	
10/10/2016	7.2	
12/1/2016	7.1	
2/9/2017	7.2	
4/7/2017	7.5	
6/21/2017	7.6	
8/15/2017	7.8	
9/1/2017	7.6	
3/22/2018	7	
10/4/2018	6.1	
3/27/2019	6.6	
9/11/2019	7	
3/18/2020	8.5	
9/9/2020	11	
6/1/2021		9.4

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	3.64 (D)	
6/22/2016	3.8	
8/15/2016	3.7	
10/6/2016	3.4	
12/1/2016	4	
2/8/2017	4	
4/6/2017	4	
6/21/2017	3.3	
10/5/2017	3.3	
3/21/2018	3.6	
10/2/2018	3.1	
3/27/2019	3	
9/11/2019	3.4	
3/18/2020	3.4	
9/9/2020	3.2	
4/1/2021		4.3

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	0.017 (J)	
6/15/2016	<0.1	
8/10/2016	<0.1	
10/4/2016	<0.1	
11/30/2016	<0.1	
2/7/2017	<0.1	
4/4/2017	<0.1	
6/20/2017	<0.1	
10/4/2017	<0.1	
3/20/2018	<0.1 (D)	
10/2/2018	<0.1	
3/26/2019	<0.1	
9/10/2019	<0.1	
3/18/2020	0.036 (J)	
9/9/2020	<0.1	
4/1/2021		<0.1

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	0.048 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/4/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.041 (J)	
9/10/2019	0.047 (J)	
3/18/2020	0.041 (J)	
9/9/2020	0.034 (J)	
4/1/2021		0.035 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	0.039 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/5/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.042 (J)	
9/10/2019	0.046 (J)	
3/18/2020	0.071 (J)	
9/9/2020	0.036 (J)	
4/1/2021		0.042 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	0.087 (J)	
6/16/2016	0.04 (J)	
8/11/2016	0.092 (J)	
10/4/2016	<0.082	
11/30/2016	0.091 (J)	
2/7/2017	<0.082	
4/5/2017	<0.082	
6/20/2017	0.082 (J)	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	0.089 (J)	
3/26/2019	0.072 (J)	
9/10/2019	0.077 (J)	
3/18/2020	0.098 (J)	
9/9/2020	0.069 (J)	
4/1/2021		0.081 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	0.082 (JD)	
6/21/2016	0.02 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.077 (J)	
9/11/2019	0.067 (J)	
3/18/2020	0.088 (J)	
9/9/2020	0.055 (J)	
4/1/2021		0.086 (J)



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	0.061 (JD)	
6/21/2016	0.03 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.048 (J)	
9/11/2019	0.054 (J)	
3/18/2020	0.064 (J)	
9/10/2020	0.052 (J)	
4/1/2021		0.042 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	0.01 (JD)	
6/21/2016	<0.1	
8/15/2016	<0.1	
10/5/2016	<0.1	
12/1/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/20/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1 (D)	
10/2/2018	<0.1	
3/26/2019	0.026 (J)	
9/11/2019	0.039 (J)	
3/18/2020	0.046 (J)	
9/10/2020	<0.1	
4/1/2021		<0.1

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.039 (JD)	
6/21/2016	<0.082	
8/15/2016	<0.082	
10/7/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/22/2017	<0.082	
10/6/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.04 (J)	
9/11/2019	0.051 (J)	
3/18/2020	0.055 (J)	
9/10/2020	0.034 (J)	
4/6/2021		0.026 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	0.027 (JD)	
6/21/2016	<0.1	
8/15/2016	<0.1	
10/4/2016	<0.1	
12/1/2016	<0.1	
2/7/2017	<0.1	
4/6/2017	<0.1	
6/20/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.034 (J)	
9/11/2019	0.045 (J)	
3/18/2020	0.068 (J)	
9/9/2020	<0.1	
4/1/2021		<0.1

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	0.047 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.046 (J)	
9/11/2019	0.055 (J)	
3/18/2020	<0.1	
9/9/2020	0.045 (J)	
4/1/2021		0.041 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	0.048 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.04 (J)	
9/12/2019	0.032 (J)	
3/19/2020	<0.1	
9/9/2020	0.034 (J)	
6/1/2021		0.026 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	0.046 (J)	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/4/2016	<0.082	
11/30/2016	<0.082	
2/7/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.046 (J)	
9/10/2019	0.048 (J)	
3/18/2020	0.055 (J)	
9/9/2020	0.033 (J)	
4/1/2021		0.043 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	0.056 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/30/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1	
10/3/2018	<0.1	
3/26/2019	0.045 (J)	
9/12/2019	0.044 (J)	
3/19/2020	<0.1	
9/10/2020	0.051 (J)	
6/1/2021		0.033 (J)



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	0.057 (JD)	
6/20/2016	0.04 (J)	
8/16/2016	<0.082	
10/5/2016	<0.082	
11/30/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.046 (J)	
9/10/2019	0.058 (J)	
3/18/2020	0.091 (J)	
9/10/2020	0.063 (J)	
4/6/2021		0.045 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	0.121 (J)	
6/20/2016	0.04 (J)	
8/16/2016	0.13 (J)	
10/6/2016	0.1 (J)	
11/30/2016	0.13 (J)	
2/8/2017	0.093 (J)	
4/6/2017	0.1 (J)	
6/22/2017	0.11 (J)	
10/6/2017	0.096 (J)	
3/21/2018	0.094 (J)	
10/3/2018	0.1 (J+X)	
3/26/2019	0.087 (J)	
9/10/2019	0.097 (J)	
3/19/2020	0.038 (J)	
9/10/2020	0.1	
4/2/2021		0.097 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	0.024 (J)	
6/22/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.038 (J)	
9/11/2019	0.045 (J)	
3/18/2020	0.055 (J)	
9/9/2020	0.033 (J)	
4/1/2021		0.029 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	0.061 (J)	
6/20/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
11/30/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/6/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.058 (J)	
9/11/2019	0.058 (J)	
3/18/2020	0.082 (J)	
9/10/2020	0.052 (J)	
6/2/2021		0.038 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	0.061 (JD)	
6/20/2016	0.12 (J)	
8/15/2016	<0.1	
10/6/2016	<0.1	
12/1/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/6/2017	<0.1	
3/22/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	0.04 (J)	
9/11/2019	0.057 (J)	
3/19/2020	<0.1	
9/10/2020	0.053 (J)	
4/1/2021		0.072 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	0.135 (J)	
10/10/2016	0.12 (J)	
12/1/2016	0.12 (J)	
2/9/2017	0.11 (J)	
4/7/2017	0.15 (J)	
6/21/2017	0.21	
8/15/2017	0.1 (J)	
9/1/2017	0.084 (J)	
3/22/2018	0.091 (J)	
10/4/2018	0.14 (J+X)	
3/27/2019	0.071 (J)	
9/11/2019	0.071 (J)	
3/18/2020	0.073 (J)	
9/9/2020	0.038 (J)	
6/1/2021		0.034 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	0.083 (JD)	
6/22/2016	0.03 (J)	
8/15/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	0.084 (J)	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.066 (J)	
9/11/2019	0.067 (J)	
3/18/2020	0.096 (J)	
9/9/2020	0.067 (J)	
4/1/2021		0.072 (J)

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/20/2014	5.27	
11/12/2014	5.7	
5/22/2015	5.52	
11/11/2015	5.63	
4/6/2016	5.5 (D)	
6/15/2016	5.52	
8/10/2016	5.5	
10/4/2016	5.56	
11/30/2016	5.46	
2/7/2017	5.28 (O)	
4/1/2017	5.48	
4/4/2017	5.48	
6/20/2017	5.44	
10/4/2017	5.44	
3/20/2018	5.48	
10/2/2018	5.49	
3/26/2019	5.41	
3/18/2020	5.42	
9/9/2020	5.71	
4/1/2021		5.31



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/20/2014	6.18	
11/8/2014	6.52	
5/22/2015	6.3	
11/11/2015	6.36	
4/6/2016	6.46 (D)	
6/15/2016	6.39	
8/10/2016	6.39	
10/4/2016	6.4	
11/29/2016	6.36	
2/7/2017	6.45	
4/4/2017	6.37	
6/20/2017	6.4	
10/5/2017	6.42	
3/20/2018	6.36	
10/2/2018	6.38	
3/26/2019	6.42	
3/18/2020	6.29	
9/9/2020	6.33	
4/1/2021		6.44

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/20/2014	5.68	
11/8/2014	6.04	
5/22/2015	5.87	
11/9/2015	5.97	
4/6/2016	5.937 (D)	
6/15/2016	5.96	
8/10/2016	5.94	
10/5/2016	5.86	
11/29/2016	5.82	
2/7/2017	6.15	
4/4/2017	6	
6/20/2017	6.34	
10/5/2017	5.93	
3/20/2018	5.97	
10/2/2018	6.03	
3/26/2019	6.12	
3/18/2020	6.03	
9/9/2020	6.05	
4/1/2021		6.14

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/23/2014	6.46	
11/13/2014	6.67	
5/23/2015	6.53	
11/11/2015	6.71	
4/12/2016	6.53 (D)	
6/16/2016	6.49	
8/11/2016	6.5	
10/4/2016	6.5	
11/30/2016	6.48	
2/7/2017	6.38	
4/5/2017	6.36	
6/20/2017	6.45	
10/4/2017	6.5	
3/20/2018	6.63	
10/2/2018	6.57	
3/26/2019	6.54	
3/18/2020	6.53	
9/9/2020	6.57	
4/1/2021		6.52

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/21/2014	6.3	
11/12/2014	6.49	
5/23/2015	6.3	
11/12/2015	6.45	
4/13/2016	6.42 (D)	
6/21/2016	6.36	
8/15/2016	6.3	
10/5/2016	6.25	
12/1/2016	6.32	
2/8/2017	6.04	
4/6/2017	6.35	
6/21/2017	6.2	
10/5/2017	6.21	
3/21/2018	6.56	
10/2/2018	6.35	
3/27/2019	6.53	
3/18/2020	6.34	
9/9/2020	6.4	
4/1/2021		6.35

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/20/2014	6.14	
11/12/2014	6.33	
5/24/2015	6.04	
11/12/2015	6.31	
4/13/2016	6.17 (D)	
6/21/2016	6.19	
8/15/2016	6.15	
10/5/2016	6.1	
12/1/2016	6.15	
2/8/2017	5.9 (O)	
4/6/2017	6.13	
6/20/2017	6.12	
10/5/2017	6.11	
3/21/2018	6.21	
10/2/2018	6.21	
3/27/2019	6.22	
3/18/2020	6.17	
9/10/2020	6.16	
4/1/2021		6.11

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/20/2014	4.86	
11/12/2014	5.3	
5/23/2015	5.04	
11/12/2015	5.31	
4/13/2016	5.22 (D)	
6/21/2016	5.2	
8/15/2016	5.12	
10/5/2016	5.07	
10/7/2016	5.07	
12/1/2016	5.08	
2/8/2017	4.76 (O)	
4/5/2017	5.1	
6/20/2017	5.13	
10/5/2017	5.1	
3/21/2018	5.33	
10/2/2018	5.16	
3/26/2019	5.25	
3/18/2020	5.19	
9/10/2020	5.1	
4/1/2021		5.18

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/20/2014	5.6	
11/12/2014	6.02	
5/24/2015	5.81	
11/12/2015	5.93	
4/13/2016	5.88 (D)	
6/21/2016	5.9	
8/15/2016	5.86	
10/4/2016	5.85	
10/7/2016	5.85	
12/1/2016	5.85	
2/9/2017	5.92	
4/6/2017	5.85	
6/22/2017	5.9	
10/6/2017	5.88	
3/22/2018	5.88	
10/3/2018	5.95	
3/26/2019	5.89	
3/18/2020	5.81	
9/10/2020	5.83	
4/6/2021		5.95

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/20/2014	5.38	
11/12/2014	5.77	
5/24/2015	5.53	
11/11/2015	5.68	
4/13/2016	5.58 (D)	
6/21/2016	5.59	
8/15/2016	5.56	
10/4/2016	5.66	
12/1/2016	5.54	
2/7/2017	5.42 (O)	
4/6/2017	5.55	
6/20/2017	5.57	
10/5/2017	5.55	
3/20/2018	5.73	
10/2/2018	5.68	
3/26/2019	5.63	
3/18/2020	5.61	
9/9/2020	5.88	
4/1/2021		5.53



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/23/2014	6.19	
11/8/2014	6.42	
5/22/2015	6.26	
11/10/2015	6.29	
4/11/2016	6.3 (D)	
6/16/2016	6.34	
8/11/2016	6.28	
10/5/2016	6.27	
11/29/2016	6.39	
2/8/2017	6.35	
4/6/2017	6.26	
6/21/2017	6.24	
10/5/2017	6.31	
3/20/2018	6.34	
10/2/2018	6.38	
3/26/2019	6.38	
3/18/2020	6.32	
9/9/2020	6.3	
4/1/2021		6.37

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/22/2014	6.37	
11/8/2014	6.51	
5/22/2015	6.35	
11/10/2015	6.41	
4/11/2016	6.36 (D)	
6/16/2016	6.35	
8/11/2016	6.37	
10/5/2016	5.78 (O)	
11/29/2016	6.44	
2/8/2017	6.4	
4/5/2017	6.35	
6/21/2017	6.36	
10/5/2017	6.41	
3/20/2018	6.37	
10/2/2018	6.41	
3/26/2019	6.35	
3/19/2020	6.27	
9/9/2020	6.27	
4/5/2021		6.37
6/1/2021		6.18

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/22/2014	6.74	
11/13/2014	6.94	
5/24/2015	7	
11/11/2015	6.55	
4/12/2016	6.52 (D)	
6/16/2016	6.38	
8/11/2016	6.38	
10/4/2016	6.39	
11/30/2016	6.38	
2/7/2017	6.43	
4/6/2017	6.23 (O)	
6/20/2017	6.36	
10/4/2017	6.35	
3/20/2018	6.52	
10/2/2018	6.51	
3/26/2019	6.44	
3/18/2020	6.41	
9/9/2020	6.44	
4/1/2021		7.32

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/22/2014	6.33	
11/9/2014	6.66	
5/22/2015	6.49	
11/10/2015	6.53	
4/12/2016	6.53 (D)	
6/16/2016	6.51	
8/11/2016	6.49	
10/5/2016	6.46	
11/30/2016	6.5	
2/8/2017	6.59	
4/6/2017	6.47	
6/21/2017	6.53	
10/5/2017	6.51	
3/21/2018	6.5	
10/3/2018	6.48	
3/26/2019	6.52	
3/19/2020	6.47	
9/10/2020	6.49	
4/5/2021		6.64
6/1/2021		6.39

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/22/2014	5.82	
11/9/2014	6.1	
5/22/2015	5.92	
11/16/2015	6.02	
4/12/2016	5.97 (D)	
6/20/2016	5.93	
8/12/2016	5.86	
8/16/2016	5.86	
10/5/2016	5.1 (O)	
11/30/2016	5.88	
2/8/2017	5.89	
4/6/2017	5.84	
6/21/2017	5.91	
10/5/2017	5.93	
3/21/2018	5.96	
10/3/2018	5.97	
3/26/2019	6.02	
3/18/2020	5.9	
9/10/2020	6.24	
4/6/2021		6.01

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/22/2014	6.17	
11/9/2014	6.45	
5/22/2015	6.26	
11/11/2015	6.3	
4/12/2016	6.44 (D)	
6/20/2016	6.33	
8/16/2016	6.3	
10/6/2016	6.21	
11/30/2016	6.26	
2/8/2017	6.35	
4/6/2017	6.29	
6/22/2017	6.31	
10/6/2017	5.9	
3/21/2018	6.23	
10/3/2018	6.25	
3/26/2019	6.34	
3/19/2020	6.32	
9/10/2020	6.46	
4/2/2021		6.35

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/22/2014	5.89	
11/9/2014	6.14	
5/24/2015	5.7	
11/11/2015	5.78	
4/19/2016	5.55	
6/22/2016	5.6	
8/16/2016	5.7	
10/6/2016	5.64	
12/1/2016	5.62	
2/9/2017	5.64	
4/6/2017	5.66	
6/21/2017	5.68	
10/5/2017	5.64	
3/22/2018	5.9	
10/3/2018	5.74	
3/27/2019	5.78	
3/18/2020	5.81	
9/9/2020	6.08	
4/1/2021		6.01

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/21/2014	6.09	
11/9/2014	6.36	
5/24/2015	6.17	
11/11/2015	6.19	
4/12/2016	6.22	
6/20/2016	6.2	
8/12/2016	6.17	
10/6/2016	6.14	
11/30/2016	6.14	
2/9/2017	6.18	
4/6/2017	6.17	
6/21/2017	6.17	
10/6/2017	6.19	
3/21/2018	6.21	
10/3/2018	6.22	
3/26/2019	6.25	
3/18/2020	6.19	
9/10/2020	6.43	
4/5/2021		6.36
6/2/2021		6.09



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/21/2014	6.25	
5/24/2015	6.32	
11/11/2015	6.35	
4/13/2016	6.42	
6/20/2016	6.4	
8/15/2016	6.31	
10/6/2016	6.27	
12/1/2016	6.28	
2/9/2017	6.32	
4/7/2017	6.28	
6/22/2017	6.29	
10/6/2017	5.96	
3/22/2018	6.34	
10/4/2018	6.36	
3/27/2019	6.38	
3/19/2020	6.41	
9/10/2020	6.32	
4/1/2021		6.4

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/21/2014	7.11	
11/13/2014	6.55	
5/23/2015	6.36	
11/11/2015	6.36	
4/19/2016	6.4	
6/23/2016	6.35	
8/23/2016	6.29	
10/10/2016	6.3	
12/1/2016	6.37	
2/9/2017	6.39	
2/27/2017	6.24	
4/7/2017	6.93	
6/21/2017	7.11 (D)	
8/15/2017	6.95	
9/1/2017	6.86	
10/9/2017	6.75	
3/22/2018	7.05	
10/4/2018	7.26	
3/27/2019	6.69	
3/18/2020	6.42	
9/9/2020	6.3	
4/5/2021		6.35
6/1/2021		6.28

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/21/2014	6.31	
11/12/2014	6.81	
5/23/2015	6.42	
11/12/2015	6.7	
4/13/2016	6.59	
6/22/2016	6.49	
8/15/2016	6.61	
10/6/2016	6.55	
12/1/2016	6.59	
2/8/2017	6.63	
4/6/2017	6.58	
6/21/2017	6.56	
10/5/2017	6.58	
3/21/2018	6.76	
10/2/2018	6.65	
3/27/2019	6.7	
3/18/2020	6.61	
9/9/2020	6.8	
4/1/2021		6.28

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	0.799 (J)	
6/15/2016	<0.7	
8/10/2016	<0.7	
10/4/2016	<0.7	
11/30/2016	<0.7	
2/7/2017	0.8 (J)	
4/4/2017	<0.7	
6/20/2017	<0.7	
10/4/2017	<0.7	
3/20/2018	1.2	
10/2/2018	<0.7	
3/26/2019	2.1	
9/10/2019	0.65 (J)	
3/18/2020	3.1	
9/9/2020	1.6	
4/1/2021		2.7

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/4/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	<1	
9/10/2019	<1	
3/18/2020	0.67 (J)	
9/9/2020	<1	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.58 (J)	
9/10/2019	0.44 (J)	
3/18/2020	0.51 (J)	
9/9/2020	<1	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	0.617 (J)	
6/16/2016	<1	
8/11/2016	<1	
10/4/2016	<1	
11/30/2016	<1	
2/7/2017	0.92 (J)	
4/5/2017	1	
6/20/2017	0.76 (J)	
10/4/2017	<1	
3/20/2018	0.95 (J)	
10/2/2018	<1	
3/26/2019	0.53 (J)	
9/10/2019	0.69 (J)	
3/18/2020	0.84 (J)	
9/9/2020	0.77 (J)	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	0.51 (JD)	
6/21/2016	0.58 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	1	
4/6/2017	0.81 (J)	
6/21/2017	1.1	
10/5/2017	1.1	
3/21/2018	1.1	
10/2/2018	1.2	
3/27/2019		1.6
9/11/2019		1.8
3/18/2020		2.4
9/9/2020		2.6
4/1/2021		2.7



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	<1 (D)	
6/21/2016	0.16 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/2/2018	<1	
3/27/2019	<1	
9/11/2019	0.63 (J)	
3/18/2020	<1	
9/10/2020	<1	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	<1 (D)	
6/21/2016	0.2 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/5/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/21/2018	<1 (D)	
10/2/2018	<1	
3/26/2019	0.49 (J)	
9/11/2019	0.5 (J)	
3/18/2020	1.3	
9/10/2020	<1	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.646 (JD)	
6/21/2016	0.57 (J)	
8/15/2016	<0.7	
10/7/2016	<0.7	
12/1/2016	<0.7	
2/9/2017	<0.7	
4/6/2017	<0.7	
6/22/2017	<0.7	
10/6/2017	<0.7	
3/22/2018	<0.7	
10/3/2018	<0.7	
3/26/2019	1.3	
9/11/2019	0.81 (J)	
3/18/2020	25 (o)	
9/10/2020	1.3	
4/6/2021		0.9 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	<1 (D)	
6/21/2016	0.16 (J)	
8/15/2016	<1	
10/4/2016	<1	
12/1/2016	<1	
2/7/2017	<1	
4/6/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.64 (J)	
9/11/2019	0.5 (J)	
3/18/2020	<1	
9/9/2020	<1	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.39 (J)	
9/11/2019	0.61 (J)	
3/18/2020	0.62 (J)	
9/9/2020	<1	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/5/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	<1	
9/12/2019	<1	
3/19/2020	0.64 (J)	
9/9/2020	1.2	
6/1/2021		1.9

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	0.56 (J)	
6/16/2016	<0.7	
8/11/2016	<0.7	
10/4/2016	<0.7	
11/30/2016	<0.7	
2/7/2017	<0.7	
4/6/2017	<0.7	
6/20/2017	<0.7	
10/4/2017	<0.7	
3/20/2018	<0.7	
10/2/2018	<0.7	
3/26/2019	0.99 (J)	
9/10/2019	0.63 (J)	
3/18/2020	0.59 (J)	
9/9/2020	0.59 (J)	
4/1/2021		1.1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/30/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019	0.45 (J)	
9/12/2019	<1	
3/19/2020	0.71 (J)	
9/10/2020	<1	
6/1/2021		1.4



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	0.419 (JD)	
6/20/2016	0.6 (J)	
8/16/2016	<1	
10/5/2016	<1	
11/30/2016	1.1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019	0.47 (J)	
9/10/2019	0.7 (J)	
3/18/2020	0.6 (J)	
9/10/2020	<1	
4/6/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	3.56	
6/20/2016	2.4	
8/16/2016	1.7	
10/6/2016	1.2	
11/30/2016	1.2	
2/8/2017	4.6	
4/6/2017	4.1	
6/22/2017	3.4	
10/6/2017	3	
3/21/2018	4.9	
10/3/2018	2.9	
3/26/2019	3.2	
9/10/2019	1.7	
3/19/2020	4.6	
9/10/2020	1.6	
4/2/2021		4.6

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	575 (o)	
6/22/2016	470	
8/16/2016	360	
10/6/2016	300	
12/1/2016	340	
2/9/2017	350	
4/6/2017	380	
6/21/2017	490	
10/5/2017	380	
3/22/2018	400	
10/3/2018	270	
3/27/2019	260	
9/11/2019	130	
3/18/2020	170	
9/9/2020	110	
4/1/2021		100

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	7.55	
6/20/2016	14	
8/16/2016	12	
10/6/2016	13	
11/30/2016	14	
2/9/2017	9.5	
4/6/2017	9.7	
6/21/2017	13	
10/6/2017	7.3	
3/21/2018	9.5	
10/3/2018	10	
3/26/2019	6.3	
9/11/2019	12	
3/18/2020	5.6	
9/10/2020	9.4	
6/2/2021		13

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	<1 (D)	
6/20/2016	0.36 (J)	
8/15/2016	<1	
10/6/2016	<1	
12/1/2016	<1	
2/9/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/6/2017	<1	
3/22/2018	<1	
10/4/2018	<1	
3/27/2019	0.51 (J)	
9/11/2019	0.52 (J)	
3/19/2020	0.54 (J)	
9/10/2020	<1	
4/1/2021		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	32.7	
10/10/2016	33	
12/1/2016	31	
2/9/2017	34	
4/7/2017	37	
6/21/2017	35	
8/15/2017	42	
9/1/2017	40	
3/22/2018	39	
10/4/2018	30	
3/27/2019	18	
9/11/2019	32	
3/18/2020	16	
9/9/2020	11	
6/1/2021		17

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	8.66 (D)	
6/22/2016	6.3	
8/15/2016	8	
10/6/2016	10	
12/1/2016	15	
2/8/2017	13	
4/6/2017	14	
6/21/2017	11	
10/5/2017	10	
3/21/2018	12	
10/2/2018	8.2	
3/27/2019	6.8	
9/11/2019	9.6	
3/18/2020	6.9	
9/9/2020	8.4	
4/1/2021		9.7

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	38	
6/15/2016	<10	
8/10/2016	56	
10/4/2016	48	
11/30/2016	46	
2/7/2017	18	
4/4/2017	32	
6/20/2017	38	
10/4/2017	42	
3/20/2018	20 (JX)	
10/2/2018	48	
3/26/2019	45	
9/10/2019	42	
3/18/2020	43	
9/9/2020	<10	
4/1/2021		55



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	84	
6/15/2016	139	
8/10/2016	80	
10/4/2016	62	
11/29/2016	110	
2/7/2017	70	
4/4/2017	120	
6/20/2017	76	
10/5/2017	110	
3/20/2018	110	
10/2/2018	110	
3/26/2019	100	
9/10/2019	75	
3/18/2020	93	
9/9/2020	66	
4/1/2021		100

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	61	
6/15/2016	113	
8/10/2016	74	
10/5/2016	44	
11/29/2016	58	
2/7/2017	4 (J)	
4/4/2017	78	
6/20/2017	50	
10/5/2017	64	
3/20/2018	90	
10/2/2018	90	
3/26/2019	82	
9/10/2019	51	
3/18/2020	75	
9/9/2020	64	
4/1/2021		68

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	147	
6/16/2016	150	
8/11/2016	110	
10/4/2016	140	
11/30/2016	130	
2/7/2017	130	
4/5/2017	130	
6/20/2017	120	
10/4/2017	130	
3/20/2018	110	
10/2/2018	140	
3/26/2019	150	
9/10/2019	130	
3/18/2020	130	
9/9/2020	120	
4/1/2021		120

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	103 (D)	
6/21/2016	214 (O)	
8/15/2016	130	
10/5/2016	84	
12/1/2016	130	
2/8/2017	130	
4/6/2017	130	
6/21/2017	120	
10/5/2017	140	
3/21/2018	120	
10/2/2018	150	
3/27/2019	140	
9/11/2019	110	
3/18/2020	140	
9/9/2020	160	
4/1/2021		140

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	99 (D)	
6/21/2016	293	
8/15/2016	90	
10/5/2016	70	
12/1/2016	120	
2/8/2017	86	
4/6/2017	130	
6/20/2017	86	
10/5/2017	94	
3/21/2018	100	
10/2/2018	120	
3/27/2019	100	
9/11/2019	94	
3/18/2020	100	
9/10/2020	95	
4/1/2021		90

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	<5 (D)	
6/21/2016	110	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	16	
2/8/2017	12	
4/5/2017	18	
6/20/2017	<5	
10/5/2017	28	
3/21/2018	28 (JX)	
10/2/2018	38	
3/26/2019	29	
9/11/2019	14	
3/18/2020	26	
9/10/2020	13	
4/1/2021		17

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	60 (D)	
6/21/2016	195 (O)	
8/15/2016	42	
10/7/2016	24	
12/1/2016	68	
2/9/2017	56	
4/6/2017	68	
6/22/2017	56	
10/6/2017	90	
3/22/2018	76	
10/3/2018	22	
3/26/2019	59	
9/11/2019	33	
3/18/2020	100	
9/10/2020	60	
4/6/2021		55

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	56 (D)	
6/21/2016	68	
8/15/2016	46	
10/4/2016	60	
12/1/2016	70	
2/7/2017	40	
4/6/2017	74	
6/20/2017	34	
10/5/2017	98	
3/20/2018	42	
10/2/2018	40	
3/26/2019	60	
9/11/2019	26	
3/18/2020	57	
9/9/2020	54	
4/1/2021		43



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	89	
6/16/2016	88	
8/11/2016	52	
10/5/2016	76	
11/29/2016	72	
2/8/2017	74	
4/6/2017	84	
6/21/2017	88	
10/5/2017	110	
3/20/2018	92	
10/2/2018	100	
3/26/2019	94	
9/11/2019	77	
3/18/2020	92	
9/9/2020	77	
4/1/2021		62

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	99	
6/16/2016	102	
8/11/2016	38	
10/5/2016	26	
11/29/2016	82	
2/8/2017	78	
4/5/2017	100	
6/21/2017	100	
10/5/2017	100	
3/20/2018	100	
10/2/2018	130	
3/26/2019	100	
9/12/2019	70	
3/19/2020	110	
9/9/2020	120	
6/1/2021		130

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	93	
6/16/2016	130	
8/11/2016	92	
10/4/2016	120	
11/30/2016	130	
2/7/2017	36	
4/6/2017	150	
6/20/2017	92	
10/4/2017	120	
3/20/2018	120	
10/2/2018	140	
3/26/2019	130	
9/10/2019	140	
3/18/2020	140	
9/9/2020	110	
4/1/2021		120

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	104	
6/16/2016	111	
8/11/2016	70	
10/5/2016	92	
11/30/2016	92	
2/8/2017	98	
4/6/2017	92	
6/21/2017	100	
10/5/2017	130	
3/21/2018	100	
10/3/2018	130	
3/26/2019	110	
9/12/2019	84	
3/19/2020	120	
9/10/2020	110	
6/1/2021		120

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	92 (D)	
6/20/2016	78	
8/16/2016	76	
10/5/2016	64	
11/30/2016	82	
2/8/2017	92	
4/6/2017	88	
6/21/2017	88	
10/5/2017	86	
3/21/2018	98	
10/3/2018	60	
3/26/2019	86	
9/10/2019	66	
3/18/2020	72	
9/10/2020	59	
4/6/2021		81

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	80	
6/20/2016	111	
8/16/2016	100	
10/6/2016	110	
11/30/2016	110	
2/8/2017	120	
4/6/2017	130	
6/22/2017	110	
10/6/2017	120	
3/21/2018	160	
10/3/2018	120	
3/26/2019	130	
9/10/2019	93	
3/19/2020	130	
9/10/2020	130	
4/2/2021		150

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	1290	
6/22/2016	1060	
8/16/2016	880	
10/6/2016	820	
12/1/2016	900	
2/9/2017	940	
4/6/2017	1100	
6/21/2017	1200	
10/5/2017	950	
3/22/2018	1000	
10/3/2018	620	
3/27/2019	580	
9/11/2019	310	
3/18/2020	430	
9/9/2020	270	
4/1/2021		260

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	138	
6/20/2016	154	
8/16/2016	140	
10/6/2016	150	
11/30/2016	160	
2/9/2017	160	
4/6/2017	140	
6/21/2017	150	
10/6/2017	160	
3/21/2018	170	
10/3/2018	120	
3/26/2019	130	
9/11/2019	120	
3/18/2020	140	
9/10/2020	140	
6/2/2021		140



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	130 (D)	
6/20/2016	116	
8/15/2016	92	
10/6/2016	110	
12/1/2016	140	
2/9/2017	120	
4/7/2017	120	
6/22/2017	100	
10/6/2017	140	
3/22/2018	130	
10/4/2018	110	
3/27/2019	120	
9/11/2019	100	
3/19/2020	98	
9/10/2020	120	
4/1/2021		110

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	179	
10/10/2016	110 (O)	
12/1/2016	170	
2/9/2017	180	
4/7/2017	200	
6/21/2017	190	
8/15/2017	190	
9/1/2017	160	
3/22/2018	220	
10/17/2018	170	
3/27/2019	300	
9/11/2019	210	
3/18/2020	300	
9/9/2020	360	
6/1/2021		340

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	135 (D)	
6/22/2016	199	
8/15/2016	120	
10/6/2016	140	
12/1/2016	160	
2/8/2017	130	
4/6/2017	140	
6/21/2017	150	
10/5/2017	170	
3/21/2018	160	
10/2/2018	34	
3/27/2019	140	
9/11/2019	130	
3/18/2020	130	
9/9/2020	150	
4/1/2021		120

FIGURE L.

# Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	14	n/a	4/5/2021	52	Yes	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-2	6.52	5.27	4/1/2021	7.32	Yes	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2

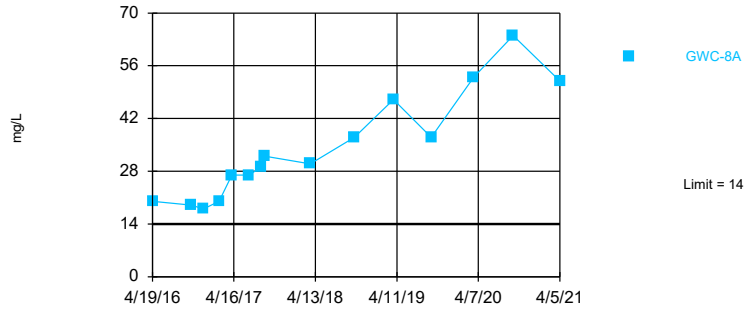
# Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>14</b>	<b>n/a</b>	<b>4/5/2021</b>	<b>52</b>	<b>Yes</b>	<b>48</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007865</b>	<b>NP Inter 1 of 2</b>
Chloride, Total (mg/L)	GWC-10	7	n/a	4/1/2021	4.4	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-14	7	n/a	4/1/2021	3.8	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-19	7	n/a	6/1/2021	2.6	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-7	7	n/a	4/1/2021	2.9	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-19	6.52	5.27	6/1/2021	6.18	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-2</b>	<b>6.52</b>	<b>5.27</b>	<b>4/1/2021</b>	<b>7.32</b>	<b>Yes</b>	<b>57</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.001141</b>	<b>NP Inter 1 of 2</b>
pH, Field (S.U.)	GWC-9	6.52	5.27	4/1/2021	6.28	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	3.1	n/a	4/1/2021	2.7	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	3.1	n/a	6/1/2021	1.9	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	3.1	n/a	4/1/2021	1.1	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	3.1	n/a	6/1/2021	1.4	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2

Exceeds Limit: GWC-8A

Prediction Limit  
Interwell Non-parametric

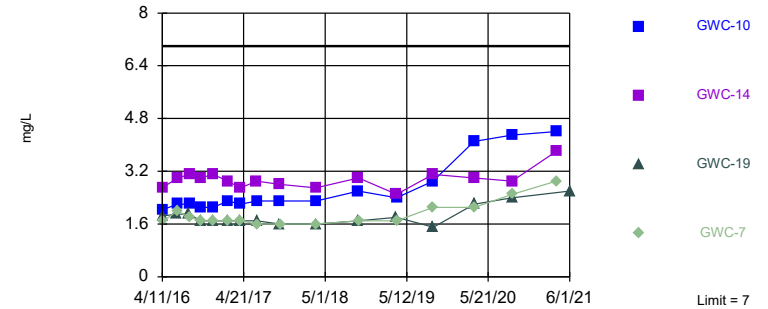


NP test selected by user. Limit is highest of 48 background values. Annual per-constituent alpha = 0.0264. Individual comparison alpha = 0.0007865 (1 of 2). Assumes 16 future values.

Constituent: Calcium, total Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Interwell Non-parametric

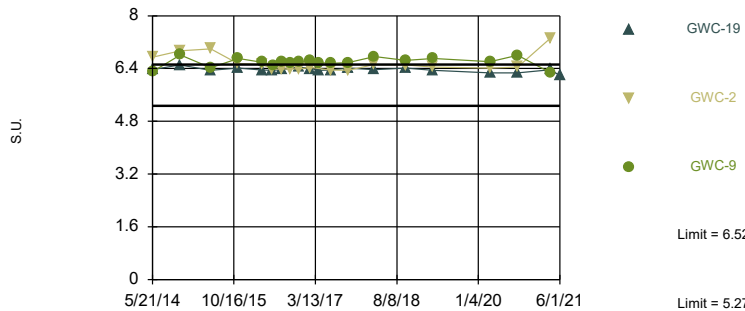


NP test selected by user. Limit is highest of 48 background values. Annual per-constituent alpha = 0.0264. Individual comparison alpha = 0.0007865 (1 of 2). Comparing 4 points to limit. Assumes 13 future values.

Constituent: Chloride, Total Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits: GWC-2

Prediction Limit  
Interwell Non-parametric



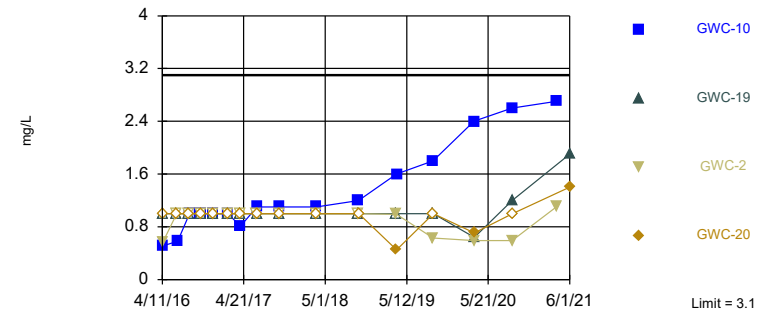
NP test selected by user. Limits are highest and lowest of 57 background values. Annual per-constituent alpha = 0.03843. Individual comparison alpha = 0.001141 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: pH, Field Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Interwell Non-parametric



NP test selected by user. Limit is highest of 48 background values. 75% NDs. Annual per-constituent alpha = 0.0264. Individual comparison alpha = 0.0007865 (1 of 2). Comparing 4 points to limit. Assumes 13 future values.

Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-8A
4/6/2016	3.62	6.58	12.1	
4/19/2016				20
6/15/2016	4.5	6.9	11.8	
8/10/2016	3.8	5.5	10	
10/4/2016	5.3		14	
10/5/2016		6.8		
10/10/2016				19
11/29/2016		4.8	10	
11/30/2016	4.7			
12/1/2016				18
2/7/2017	3.8	7.8	12	
2/9/2017				20
4/4/2017	3.8	6.4	11	
4/7/2017				27
6/20/2017	4.1	7	11	
6/21/2017				27 (D)
8/15/2017				29
9/1/2017				32
10/4/2017	4.6			
10/5/2017		6.6	13	
3/20/2018	4.2 (D)	6.6	12	
3/22/2018				30
10/2/2018	4.2	5.8	11	
10/4/2018				37
3/26/2019	4	6.7	11	
3/27/2019				47
9/10/2019	4.8	7.5	12	
9/11/2019				37
3/18/2020	3.8	7.3	12	53
9/9/2020	4	7.3	11	64
4/1/2021	4	7.8	12	
4/5/2021				52



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-19	GWC-14	GWC-10	GWC-7
4/6/2016	5.342	1.69	1.789				
4/11/2016				1.84			
4/13/2016					2.71 (D)	2.04 (D)	1.68 (D)
6/15/2016	5.2	1.9	2.1				
6/16/2016				1.9			
6/20/2016							2
6/21/2016					3	2.2	
8/10/2016	5.5	1.7	1.8				
8/11/2016				1.9			
8/15/2016					3.1	2.2	1.8
10/4/2016	5.4		1.7		3		
10/5/2016		1.6		1.7		2.1	
10/6/2016							1.7
11/29/2016		1.7	1.7	1.7			
11/30/2016	5.4						
12/1/2016					3.1	2.1	1.7
2/7/2017	5.1	1.6	1.6		2.9		
2/8/2017				1.7		2.3	
2/9/2017							1.7
4/4/2017	5.1	1.5	1.6				
4/5/2017				1.7			
4/6/2017					2.7	2.2	
4/7/2017							1.7
6/20/2017	5.2	1.5	1.6		2.9		
6/21/2017				1.7		2.3	
6/22/2017							1.6
10/4/2017	5.2						
10/5/2017		1.5	1.5	1.6	2.8	2.3	
10/6/2017							1.6
3/20/2018	5.6 (D)	1.4	1.5	1.6	2.7		
3/21/2018						2.3	
3/22/2018							1.6
10/2/2018	6.3	1.5	1.6	1.7	3	2.6	
10/4/2018							1.7
3/26/2019	5.5	1.3	1.5	1.8	2.5		
3/27/2019						2.4	1.7
9/10/2019	5.2	1.3	1.4				
9/11/2019					3.1	2.9	2.1
9/12/2019				1.5			
3/18/2020	5.4	2	1.7		3	4.1	
3/19/2020				2.2			2.1
9/9/2020	6.1	1.3	1.6	2.4	2.9	4.3	
9/10/2020							2.5
4/1/2021	7	1.5	1.8		3.8	4.4	2.9
6/1/2021				2.6			

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-9	GWC-2	GWC-19
5/20/2014	5.27	5.68	6.18			
5/21/2014				6.31		
5/22/2014					6.74	6.37
11/8/2014		6.04	6.52			6.51
11/12/2014	5.7			6.81		
11/13/2014					6.94	
5/22/2015	5.52	5.87	6.3			6.35
5/23/2015				6.42		
5/24/2015					7	
11/9/2015		5.97				
11/10/2015						6.41
11/11/2015	5.63		6.36		6.55	
11/12/2015				6.7		
4/6/2016	5.5 (D)	5.937 (D)	6.46 (D)			
4/11/2016						6.36 (D)
4/12/2016					6.52 (D)	
4/13/2016				6.59		
6/15/2016	5.52	5.96	6.39			
6/16/2016					6.38	6.35
6/22/2016				6.49		
8/10/2016	5.5	5.94	6.39			
8/11/2016					6.38	6.37
8/15/2016				6.61		
10/4/2016	5.56		6.4		6.39	
10/5/2016		5.86				5.78 (O)
10/6/2016				6.55		
11/29/2016		5.82	6.36			6.44
11/30/2016	5.46				6.38	
12/1/2016				6.59		
2/7/2017	5.28 (O)	6.15	6.45		6.43	
2/8/2017				6.63		6.4
4/1/2017	5.48					
4/4/2017	5.48	6	6.37			
4/5/2017						6.35
4/6/2017				6.58	6.23 (O)	
6/20/2017	5.44	6.34	6.4		6.36	
6/21/2017				6.56		6.36
10/4/2017	5.44				6.35	
10/5/2017		5.93	6.42	6.58		6.41
3/20/2018	5.48	5.97	6.36		6.52	6.37
3/21/2018				6.76		
10/2/2018	5.49	6.03	6.38	6.65	6.51	6.41
3/26/2019	5.41	6.12	6.42		6.44	6.35
3/27/2019				6.7		
3/18/2020	5.42	6.03	6.29	6.61	6.41	
3/19/2020						6.27
9/9/2020	5.71	6.05	6.33	6.8	6.44	6.27
4/1/2021	5.31	6.14	6.44	6.28	7.32	
4/5/2021						6.37
6/1/2021						6.18

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-19	GWC-2	GWC-20	GWC-10
4/6/2016	0.799 (J)	<1	<1				
4/11/2016				<1			
4/12/2016					0.56 (J)	<1	
4/13/2016							0.51 (JD)
6/15/2016	<1	<1	<1				
6/16/2016				<1	<1	<1	
6/21/2016							0.58 (J)
8/10/2016	<1	<1	<1				
8/11/2016				<1	<1	<1	
8/15/2016							<1
10/4/2016	<1		<1		<1		
10/5/2016		<1		<1		<1	<1
11/29/2016		<1	<1	<1			
11/30/2016	<1				<1	<1	
12/1/2016							<1
2/7/2017	0.8 (J)	<1	<1		<1		
2/8/2017				<1		<1	1
4/4/2017	<1	<1	<1				
4/5/2017				<1			
4/6/2017					<1	<1	0.81 (J)
6/20/2017	<1	<1	<1		<1		
6/21/2017				<1		<1	1.1
10/4/2017	<1				<1		
10/5/2017		<1	<1	<1		<1	1.1
3/20/2018	1.2	<1	<1	<1	<1		
3/21/2018						<1	1.1
10/2/2018	<1	<1	<1	<1	<1		1.2
10/3/2018						<1	
3/26/2019	2.1	0.58 (J)	<1	<1	0.99 (J)	0.45 (J)	
3/27/2019							1.6
9/10/2019	0.65 (J)	0.44 (J)	<1		0.63 (J)		
9/11/2019							1.8
9/12/2019				<1		<1	
3/18/2020	3.1	0.51 (J)	0.67 (J)		0.59 (J)		2.4
3/19/2020				0.64 (J)		0.71 (J)	
9/9/2020	1.6	<1	<1	1.2	0.59 (J)		2.6
9/10/2020						<1	
4/1/2021	2.7	<1	<1		1.1		2.7
6/1/2021				1.9		1.4	

FIGURE M.

# Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:59 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-8A	9.193	88	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1006	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.271	98	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3785	103	58	Yes	16	18.75	n/a	n/a	0.01	NP

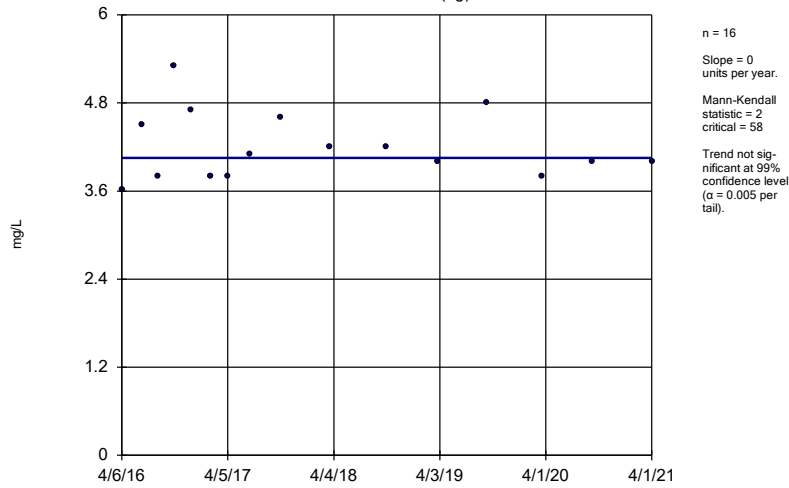
# Appendix III Trend Tests - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/24/2021, 10:59 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-15 (bg)	0	2	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	1	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.21	43	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>9.193</b>	<b>88</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-15 (bg)	0.1125	39	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.0718	-45	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.1006</b>	<b>-61</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>0.271</b>	<b>98</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWC-14	0	3	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	0	5	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0.03647	33	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-15 (bg)	-0.0286	-61	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-16 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-17 (bg)	0.04076	69	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.01609	-52	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-2	-0.02613	-26	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-9	0.03008	31	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0.1912	36	58	No	16	50	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-11	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-28	-58	No	16	81.25	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>0.3785</b>	<b>103</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>18.75</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate as SO4 (mg/L)	GWC-19	0	16	58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-2	0	4	58	No	16	62.5	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-20	0	-4	-58	No	16	81.25	n/a	n/a	0.01	NP

### Sen's Slope Estimator

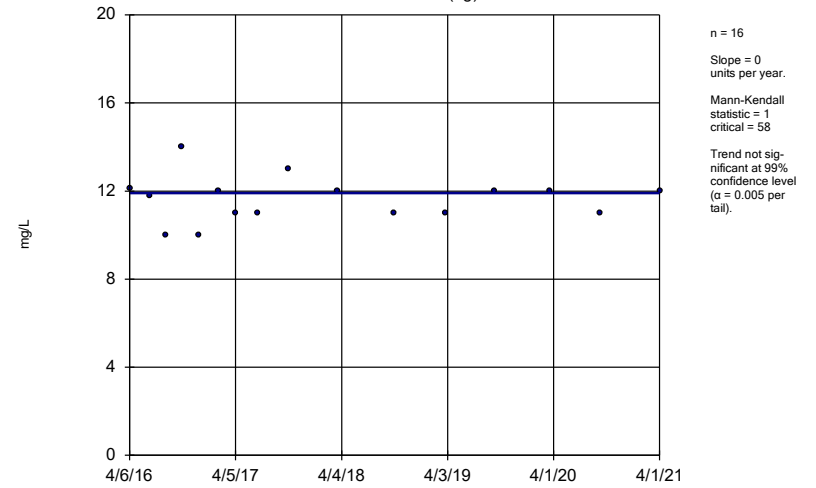
GWA-15 (bg)



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

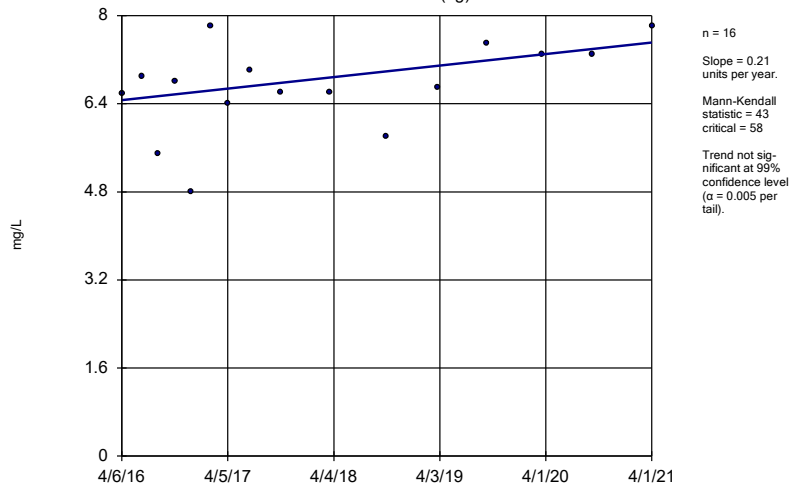
GWA-16 (bg)



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

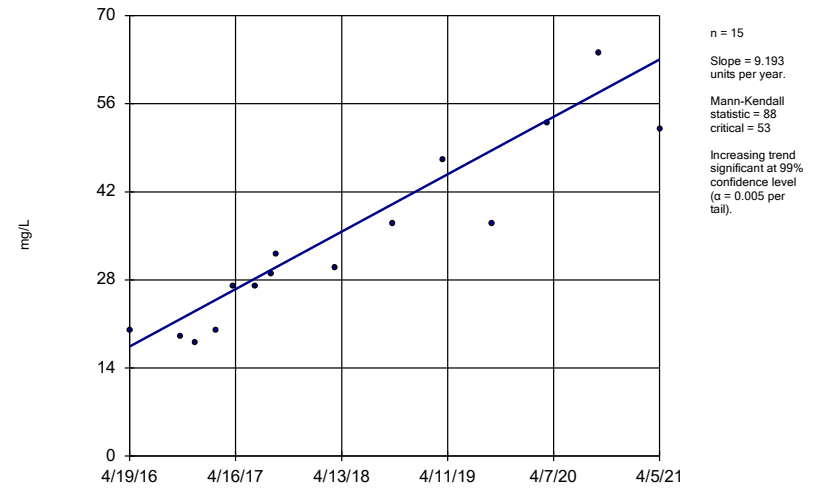
GWA-17 (bg)



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

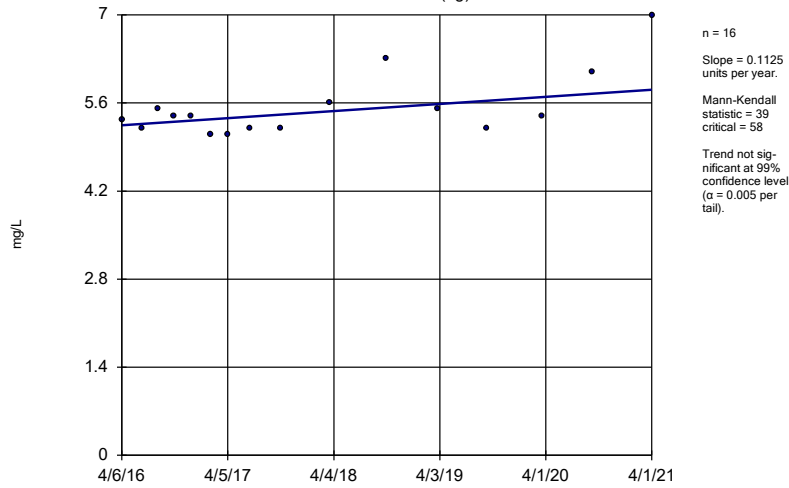
GWC-8A



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

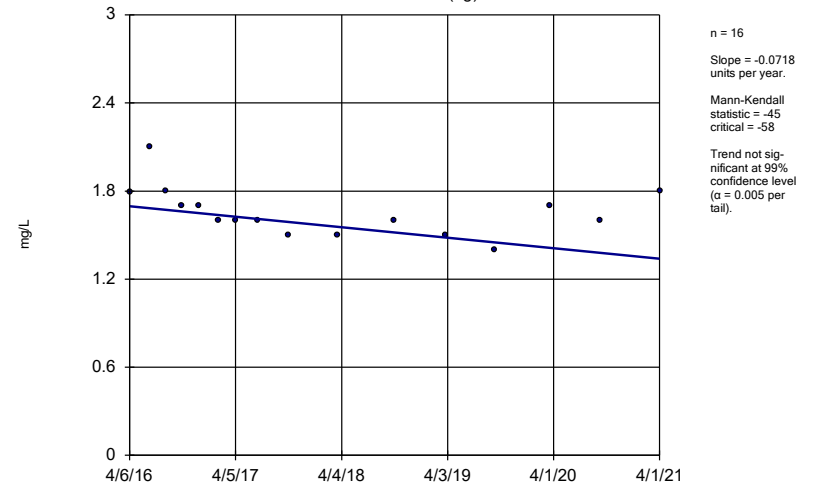
GWA-15 (bg)



Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

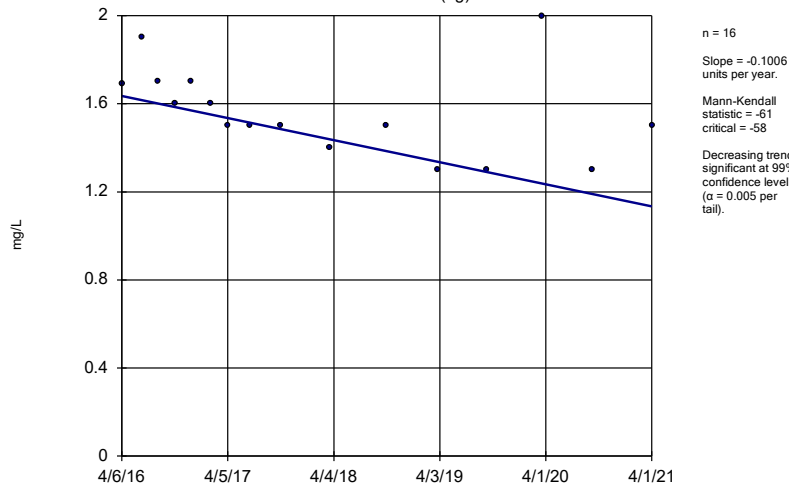
GWA-16 (bg)



Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

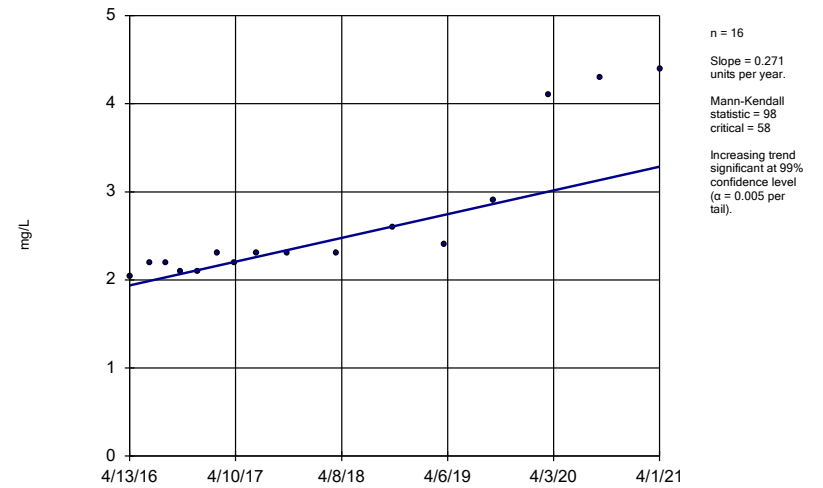
GWA-17 (bg)



Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

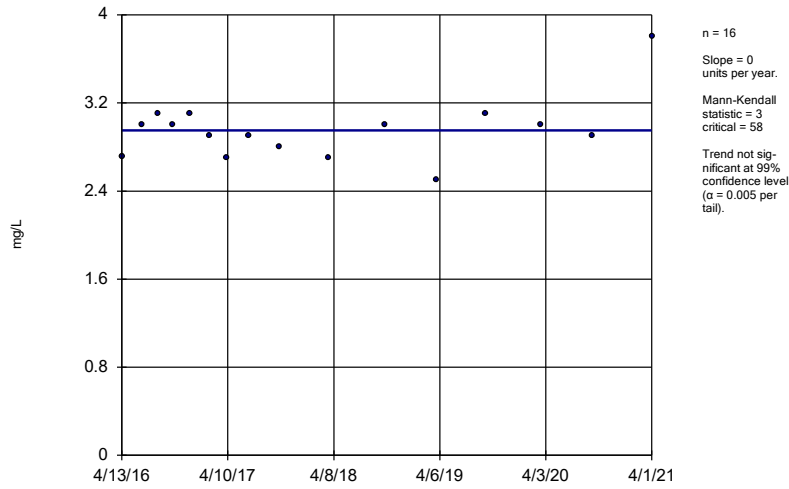
GWC-10



Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

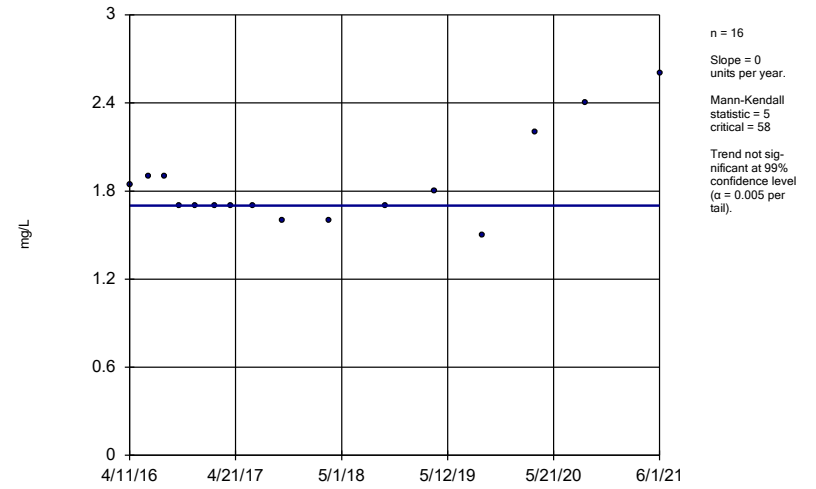


Sen's Slope Estimator  
GWC-14



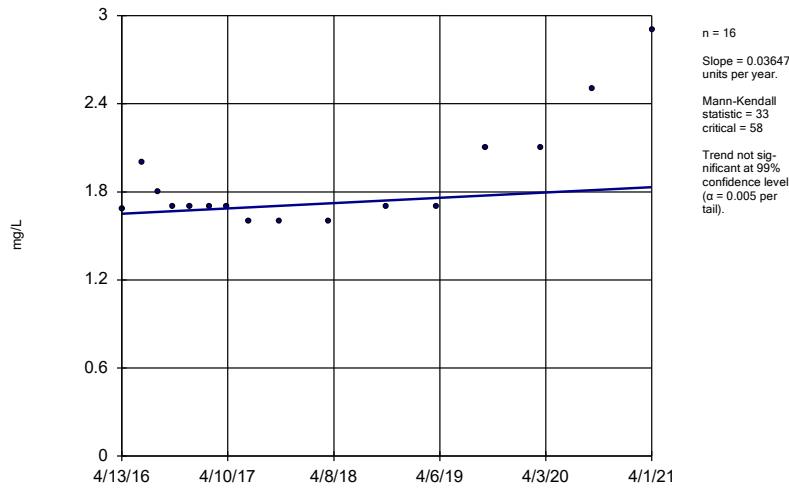
Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



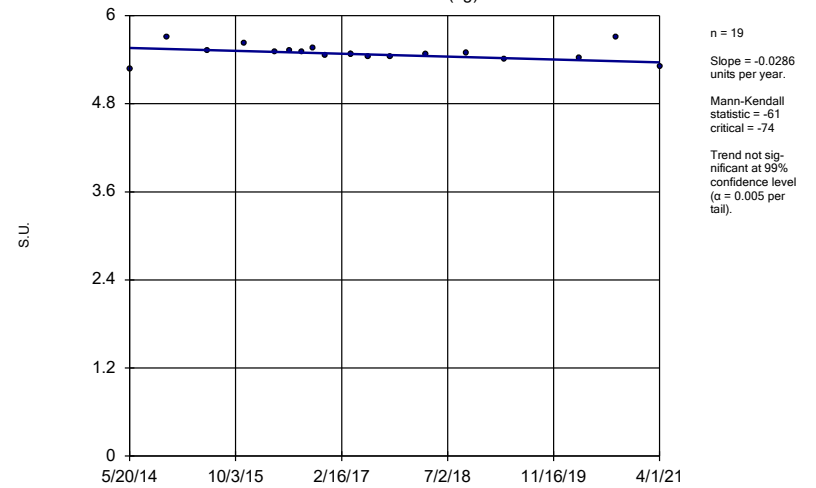
Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-7



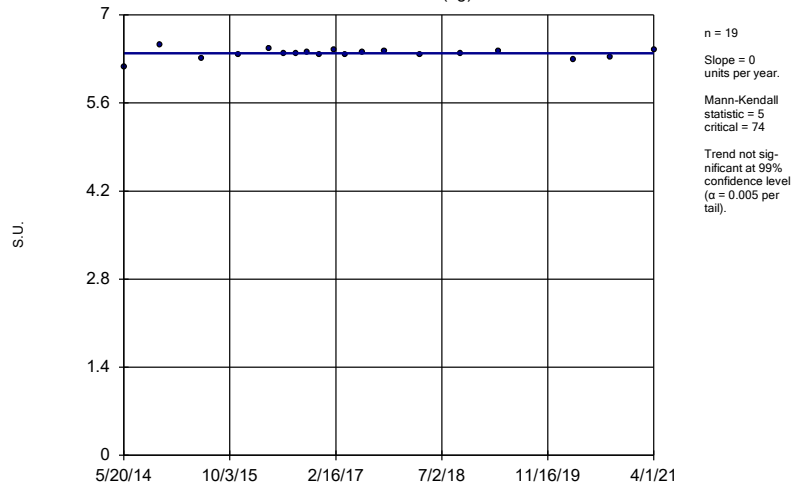
Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-15 (bg)



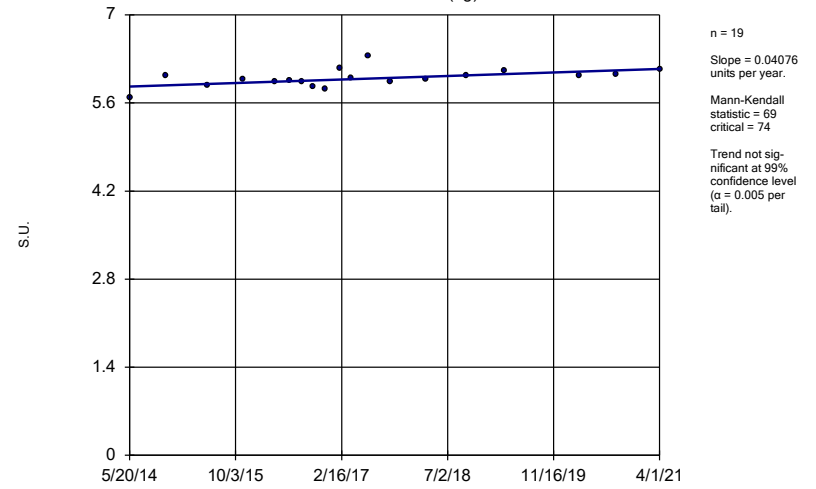
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-16 (bg)



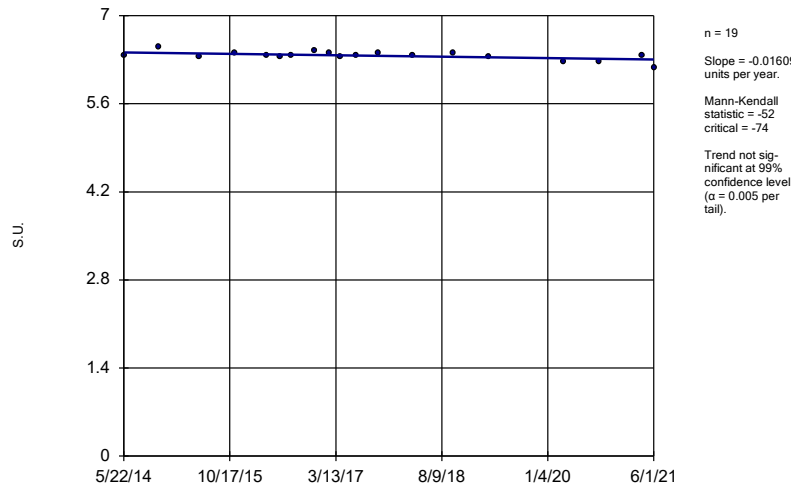
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-17 (bg)



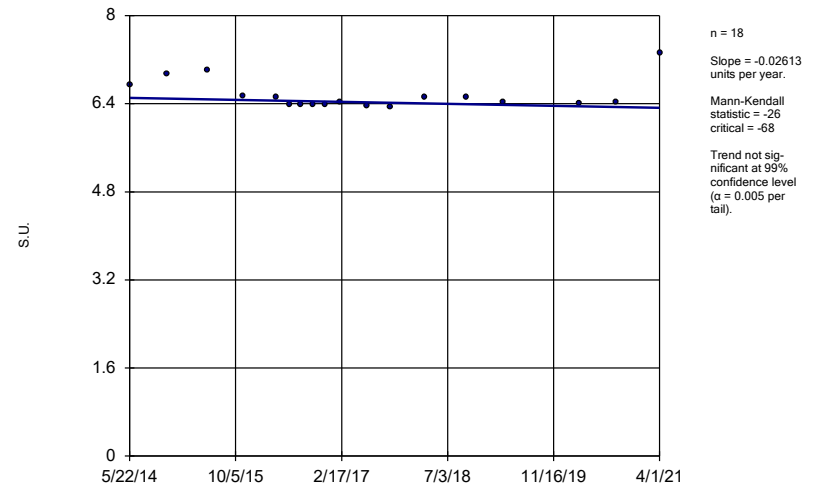
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

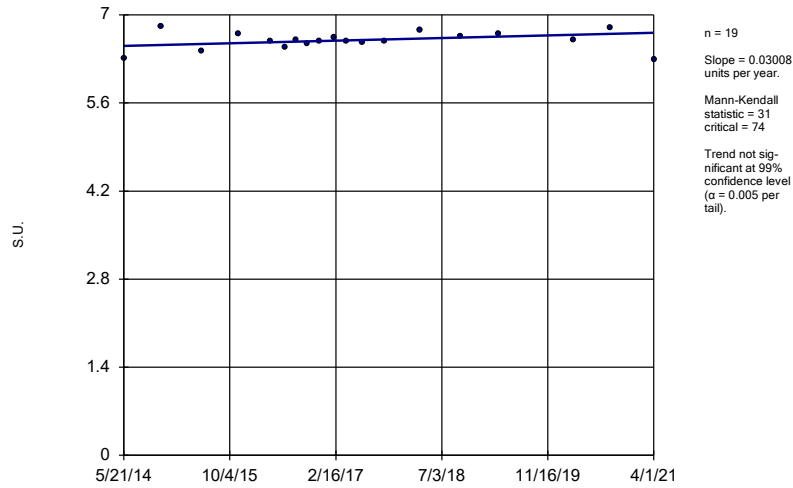
Sen's Slope Estimator  
GWC-2



Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

GWC-9

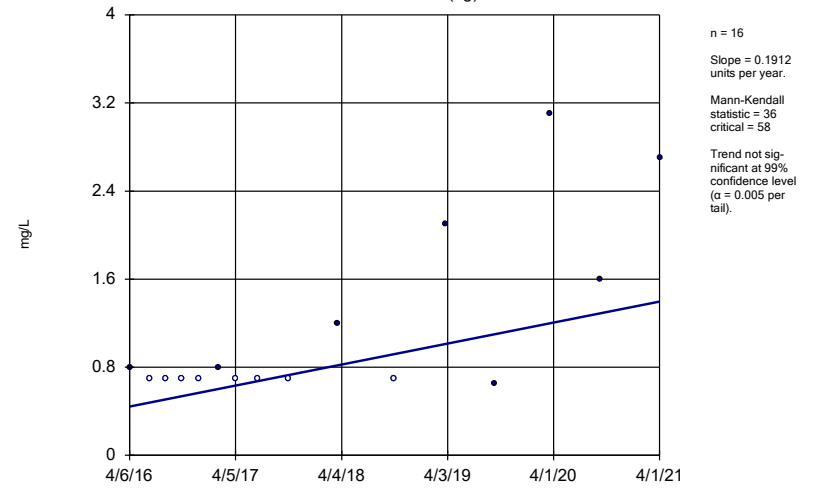


Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

GWA-15 (bg)

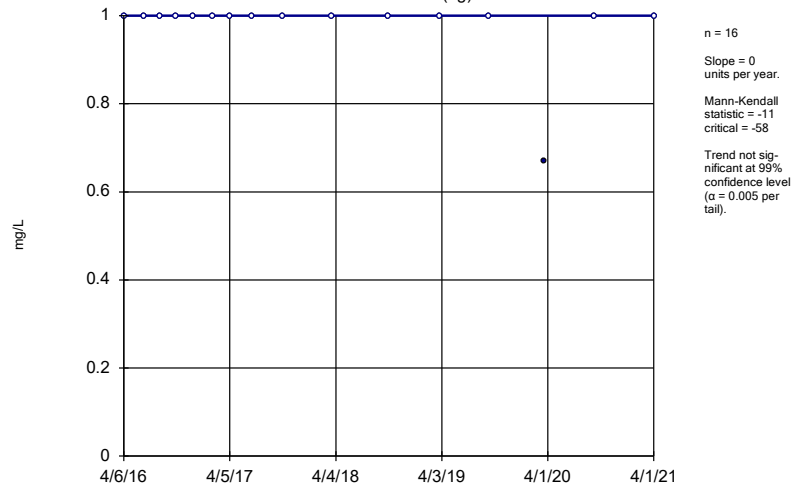


Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

GWA-16 (bg)

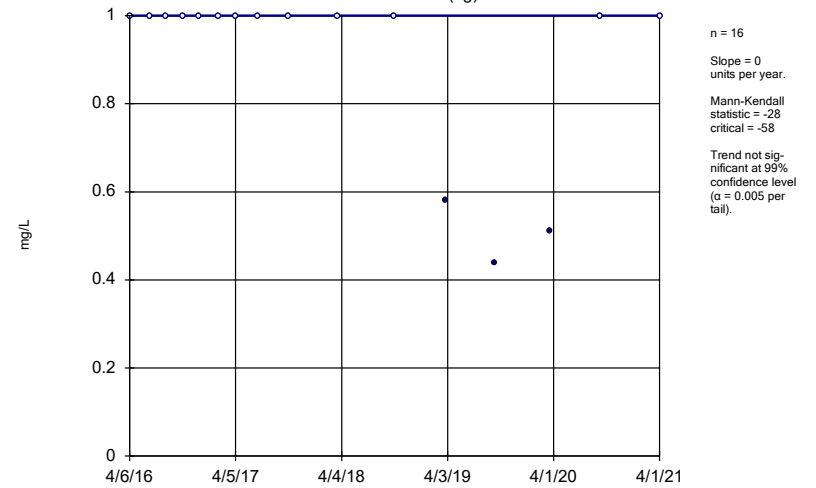


Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Hollow symbols indicate censored values.

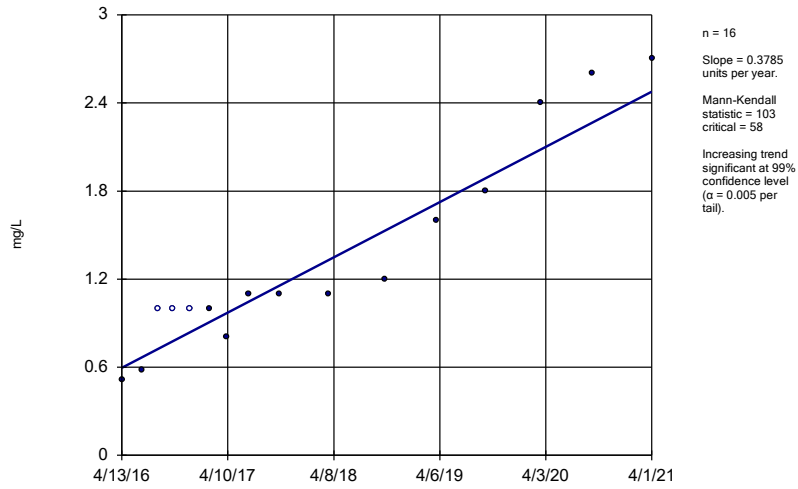
### Sen's Slope Estimator

GWA-17 (bg)



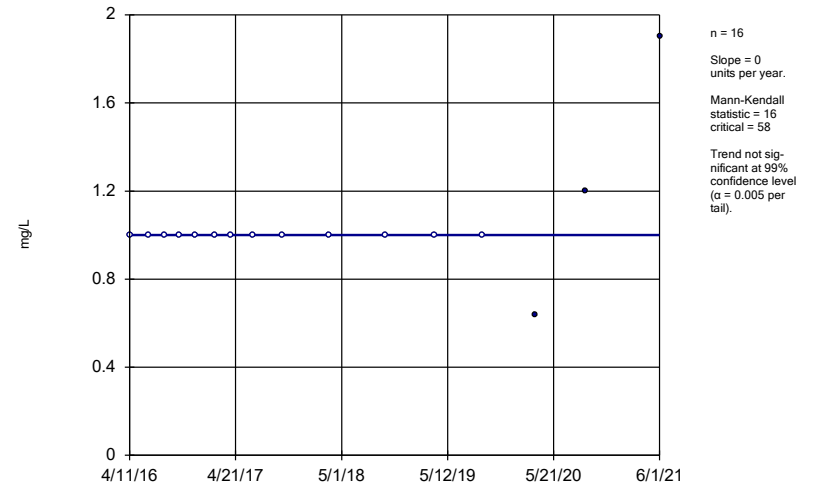
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-10



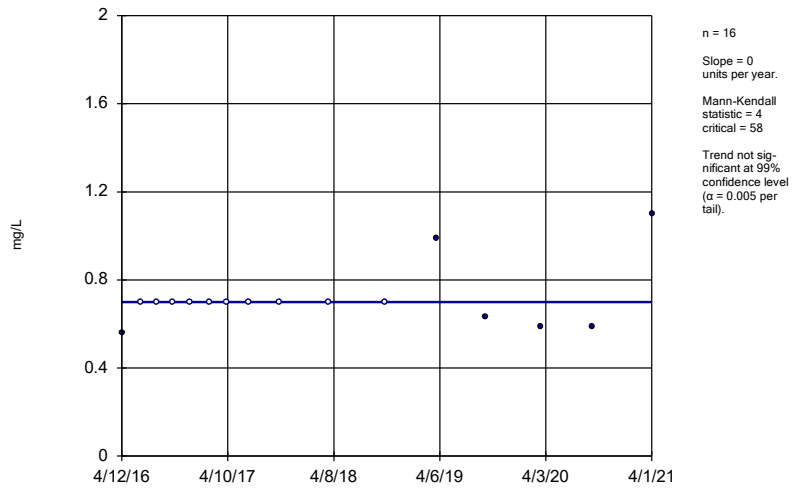
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



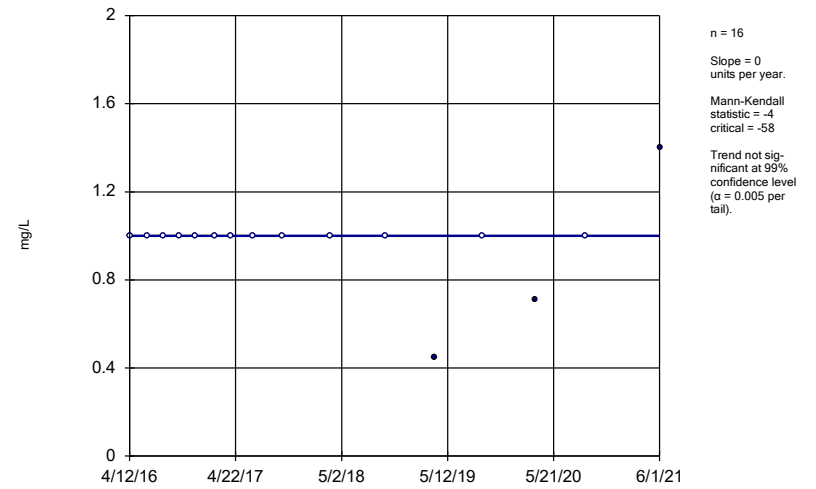
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-2



Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-20



Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

April 2021

GROUNDWATER  
STATISTICAL  
ANALYSIS

FOR

PLANT SCHERER PAC  
LANDFILL

Prepared by:

Groundwater Stats Consulting LLC



## TABLE OF CONTENTS

<b><i>Narrative</i></b> _____	<b>3-17</b>
<b>Summary Tables</b> _____	<b>18-39</b>
Power Curves _____	18
100% Nondetects Summary _____	19
No Variation Well/Constituent Pairs Summary _____	20
Background Date Ranges _____	21
Appendix I Mann-Whitney Summary _____	22-24
Appendix III Mann-Whitney Summary _____	25-27
Appendix I Intrawell Prediction Limit Summary _____	28-30
Appendix I Interwell Prediction Limit Summary _____	31
Appendix I Trend Test Summary _____	32-33
Appendix III Intrawell Prediction Limit Summary _____	34-36
Appendix III Interwell Prediction Limit Summary _____	37
Appendix III Trend Test Summary _____	38-39
<b>Time Series</b> _____	<b>40-120</b>
<b>Box Plots</b> _____	<b>121-133</b>
<b>Outlier Summary</b> _____	<b>134-138</b>
<b>Appendix I Mann-Whitney Tests</b> _____	<b>139-162</b>
<b>Appendix III Mann-Whitney Tests</b> _____	<b>163-186</b>
<b>Appendix I Intrawell Prediction Limits</b> _____	<b>187-333</b>
<b>Appendix I Interwell Prediction Limits</b> _____	<b>334-342</b>
<b>Appendix I Trend Tests</b> _____	<b>343-351</b>
<b>Appendix III Intrawell Prediction Limits</b> _____	<b>352-452</b>
<b>Appendix III Interwell Prediction Limits</b> _____	<b>453-460</b>
<b>Appendix III Trend Tests</b> _____	<b>461-472</b>

## GROUNDWATER STATS CONSULTING



August 24, 2021

Southern Company Services  
Attn: Mr. Joju Abraham  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308-3374

Re: Plant Scherer PAC Landfill  
Background Update and Statistical Analysis – 2021 1<sup>st</sup> Semi-Annual

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and 2021 1<sup>st</sup> Semi-Annual Groundwater Monitoring Statistical Analysis for the April/June 2021 sample event for Georgia Power Company's Plant Scherer PAC Landfill. The analysis complies with the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Sampling began for the CCR program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2010. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and all available data are screened in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, and GWA-49
- **Downgradient wells:** GWC-29, GWC-50, GWC-51, GWC-52, and GWC-53

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting and Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, 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 Georgia EPD 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.

In earlier analyses, 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 are provided in 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 that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves are based on the following:

### **Georgia EPD Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 14 (antimony and silver and were 100% non-detects in all downgradient wells)
- # Downgradient wells: 5

### **CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 5

Statistical analyses are not required when 100% non-detects are present in downgradient wells for a given constituent. Therefore, no analyses were included for antimony and silver in this report.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects 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 intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance

(2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resamples confirm the initial exceedance, 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). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

### **Summary of Background Screening – CCR Appendix III – Conducted in 2017**

The original background screening for Appendix III constituents was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Intrawell prediction limits, combined with a 1-of-2 resample plan, were recommended. The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach.

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. Based on the results of the original background screening, intrawell tests were recommended for all Appendix III parameters.

## **Summary of Background Screening Georgia EPD Appendix I - Conducted in August 2019**

### Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values are identified as outliers, values were not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the non-detects were replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) required flagging as outliers because they were much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported non-detects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. An updated summary of all flagged data is included in Figure C.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. As mentioned above, a substitution of the most recent reporting limit was applied when varying detection limits existed in data.

### Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

### Trends

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed several statistically significant increasing and decreasing trends; however, the majority of these were relatively low in magnitude when compared to average concentrations and, therefore, required no adjustments. It was noted that several of the upgradient wells had higher reported measurements in the earliest part of the records for some of the metals. These values were not deselected at this time since the measurements serve as reference data upgradient of the facility. If similar measurements are observed at a later time in one or more downgradient wells, the earlier upgradient data would indicate that the change is naturally occurring rather than a result of practices at the facility. Lastly, while there was an overall increasing trend in concentrations for cobalt at well GWC-53, data are highly variable and similar to

concentrations that have historically been reported in at least one upgradient well. Therefore, no adjustment was made to this record. Since the August 2019 screening, the trend in cobalt at well GWC-53 has been decreasing.

### Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. 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 are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistical differences among the residual means or medians of the upgradient well data for the following constituents: barium, chromium, cobalt, copper, nickel and vanadium. No statistical differences were identified for the remainder of the constituents. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: arsenic, beryllium and cadmium. A summary table of the ANOVA results was included with the August 2019 screening.

Generally, constituents without significant differences, based on ANOVA across upgradient wells, may be considered for interwell analysis. However, the Scherer PAC Landfill is lined, and pre-waste data are available that show metals were present naturally in low level detections during the collection of background data. Furthermore, for some constituents, the reported concentrations are higher in upgradient wells than in downgradient wells. This would result in interwell limits that would not readily detect changes in the downgradient wells with lower concentrations. Therefore, intrawell prediction limits are recommended as the most appropriate statistical analysis for all of the Georgia EPD constituents at this landfill.

## **Background Update – Georgia EPD Appendix I and CCR Appendix III – June 2021**

### Outlier Analysis

Prior to updating background data, visual screening was used to evaluate data for suspected outliers in upgradient and downgradient wells through September 2020

(Figure C). All of the more recent compliance measurements appeared stable compared to the previously screened historical data sets; therefore, no new outliers were flagged, except for a resulting high value for lead in well GWC-52 that was flagged in order to maintain conservative (i.e. lower) statistical limits. A summary of all flagged outliers follows this letter. Outliers are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

### Mann-Whitney Comparison of Medians

For constituents requiring intrawell prediction limits (all Georgia EPD Appendix I and CCR Appendix III constituents in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2018 to the new compliance samples at each well through September 2020 (Figures D and E, respectively). When no variation is present between historical data and compliance samples, the Mann-Whitney test is not performed. A list of well/constituent pairs with no variation follows this report. While all other well/constituent pairs were tested using the Mann Whitney (Wilcoxon Rank Sum) test as may be seen on the summary table following this letter, only the significant results are provided in the graphical output. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. Statistically significant differences (either an increase or decrease in median concentrations) were found between the two groups for the following well/constituent pairs:

#### Appendix I

##### Increasing

- Barium: GWA-45, GWA-46 (both upgradient), GWC-29, GWC-52
- Chromium: GWC-52
- Vanadium: GWA-21 and GWA-45 (both upgradient)

##### Decreasing

- Barium: GWC-53
- Cobalt: GWA-46 and GWA-49 (both upgradient)
- Nickel: GWA-21, GWA-45, GWA-49 (all upgradient), GWC-50, and GWC-51
- Zinc: GWA-21 (upgradient)

#### Appendix III

##### Increasing

- Calcium: GWC-29 and GWC-52
- Chloride: GWA-46 (upgradient)
- Fluoride: GWC-51
- pH: GWC-29



- Sulfate: GWA-47 (upgradient), GWC-29, and GWC-52
- TDS: GWA-21 (upgradient)

Decreasing

- Fluoride: GWA-21, GWA-22, GWA-47, GWA-48, GWA-49 (all upgradient), GWC-29, and GWC-52

Typically, when the test concludes that the medians of the two groups are statistically significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

In this analysis, all of the records for Georgia EPD Appendix I and CCR Appendix III constituents with statistically significant Mann-Whitney results at upgradient wells were updated (except for those cases discussed below) since these data represent naturally occurring groundwater quality upgradient of the facility. Additionally, the increasing shifts in concentrations were small, and in some cases resulted due to a high percentage of non-detects. Records identified with statistically significant decreases in medians between historical and compliance data sets signify lower concentrations and, subsequently, result in more conservative (i.e. lower) statistical limits; therefore, these cases were updated with more recent data.

For Georgia EPD Appendix I parameters, barium in downgradient wells GWC-29 and GWC-52 showed statistically significant differences in the median concentrations; however, the group of new measurements were similar to those observed historically as well as those observed in upgradient wells, and remain well below the respective GWPS for barium. Therefore, these records were updated with more recent data. The record for barium at upgradient well GWA-45, however, was not updated at this time due to an increase in more recent concentrations compared to historical measurements.

The more recent chromium concentrations in downgradient well GWC-52 are also observed to be increasing compared to historical measurements. While higher concentrations of chromium have been observed in upgradient well GWA-47 compared to this downgradient well, the record was not updated at this time and will be re-evaluated during the next background update.

The Mann Whitney test did not identify significant differences in medians for lead at all wells; however, it was noted that historical data prior to 2016 are variable and likely



represent a sampling or analysis error. Therefore, all historical data prior to 2016 for lead were truncated so that resulting prediction limits will be conservative (i.e. lower) from a regulatory perspective.

While the record for cobalt at downgradient well GWC-53 was updated, the overall increasing trend requires further investigation to determine whether or not the trend and the resulting prediction limit, which represent current conditions, are the result of practices at the facility or due to natural variation in groundwater quality. Two cycles of increasing and decreasing cobalt concentrations have been observed since sampling began in 2010. As mentioned above, the recent concentrations of cobalt at well GWC-53 have been decreasing, with the September 2020 observation estimated below the reporting limit and the April 2021 observation being similar to historical concentrations. However, if changing concentrations resulting from practices at the facility cannot be ruled out, trend analyses along with time series plots may be used in the future in lieu of prediction limits to monitor concentrations for this well/constituent pair over time.

All records will be re-evaluated during the next background update and if future concentrations are similar to those observed currently, the earlier portion of the records may require deselection so only more recent data are used to construct statistical limits which are reflective of present-day water quality conditions. If, however, concentrations return to historical lower levels, more recent higher measurements may be flagged as outliers and deselected prior to construction of statistical limits.

For CCR Appendix III parameters, calcium in wells GWC-29 and GWC-52 showed statistically significant increases in the median concentrations. However, the new measurements are within the range of those observed historically across the downgradient wells and are less than those observed in upgradient well GWA-45; therefore, these records were updated with more recent data. Although pH in well GWC-29 exhibited a statistically significant increase in concentrations, the magnitude of the difference was marginal compared to overall concentrations, and the record was updated with more recent data. While the Mann Whitney test identified a statistically significant difference in medians for fluoride in well GWC-51, the current observations are below the reporting limits of 0.082 mg/L and 0.1 mg/L that have been used in neighboring upgradient and downgradient wells. Additionally, the more recent measurements are all reported trace detections; therefore, this record was updated with more recent compliance measurements. A statistically significant increase was also noted for sulfate in well GWC-29, but the record for this well/constituent pair was also updated with compliance data since magnitude of the increase was miniscule relative to the concentrations. The more recent sulfate concentrations in well GWC-52, while considerably less than those observed in at least one upgradient well, are steadily

increasing. Therefore, this well/constituent pair was not updated with compliance data at this time and will be re-evaluated during the next background update.

If it is later determined that these trends or increases in concentrations are short-term or not the result of the facility, then these records may be updated. A summary of these results follows this letter, and the test results are included with the Mann Whitney test section at the end of this report. Additionally, a list of well/constituent pairs that use a truncated portion of their record also follows this report.

### **Statistical Analysis of Georgia EPD Appendix I Constituents – April 2021**

Intrawell limits were constructed for all Georgia EPD constituents in this analysis. In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent, the current assumption is that the higher downgradient concentrations are due to natural spatial variation rather than a result of practices at the landfill. The pre-waste data support this logic.

#### Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through September 2020 within each well for constituents with detections. The April 2021 compliance samples were compared to these intrawell background limits. As previously discussed, no statistical analyses were included for antimony and silver since they contain 100% non-detects in downgradient wells, or for individual well/constituent pairs with 100% non-detects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary table of the background intrawell prediction limits and exceedances follows this letter, along with the complete graphical results (Figure F). Statistical exceedances were noted for the following well/constituent pairs:

- Barium: GWA-45 (upgradient) and GWC-52
- Chromium: GWC-52
- Nickel: GWC-50

### Two-Step Analysis

Following the two-step analysis procedure, interwell prediction limits were then constructed using pooled upgradient well data through April 2021 to evaluate the initial intrawell prediction limit exceedances for barium in downgradient well GWC-52, chromium in downgradient well GWC-52, and nickel in downgradient well GWC-50 (Figure G). Due to an increasing trend in the most recent data for barium at upgradient well GWA-45, observations since September 2019 in this well were not included in the interwell limit. The observations were flagged with an "L" flag and are included in the Outlier Summary which shows data that have been deselected (Figure C). The cause of this trend is pending and requires further analysis beyond the scope of this analysis. If research shows the more recent concentrations reflect natural variation, the earlier portion of the record may require deselection so that resulting limits are reflective of present-day water quality conditions. The reported measurements of barium, chromium, and nickel were within the interwell prediction limits of 0.057 mg/L, 0.045 mg/L, and 0.022 mg/L, respectively. Therefore, no statistically significant increase (SSI) is identified, and no further action is necessary.

### Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are significantly increasing, decreasing, or stable (Figure I). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this letter. Statistically significant trends were noted for the following well/constituent pairs:

#### Increasing:

- Barium: GWA-45 (upgradient), GWA-46 (upgradient), and GWC-52
- Chromium: GWA-22 (upgradient) and GWC-52

#### Decreasing:

- Barium: GWA-22 (upgradient)
- Chromium: GWA-21 (upgradient)
- Nickel: GWA-48 (upgradient)

## Statistical Analysis of Appendix III Parameters – April/June 2021

Intrawell prediction limits for all Appendix III parameters, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2020. The April 2021 compliance data were compared to those limits, along with the June 2021 compliance data for pH at wells GWA-46, GWA-47, GWA-48, GWC-51, and GWC-52.

### Prediction Limits

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. If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the Appendix III prediction limits follow this letter, along with complete graphical results (Figure I). The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWA-47, GWA-49 (both upgradient), GWC-29, GWC-51, and GWC-52
- Chloride: GWA-45, GWA-46, GWA-47, GWA-48 (all upgradient), and GWC-51
- pH: GWA-21, GWA-45 (both upgradient), and GWC-29
- Sulfate: GWC-52

### Two-Step Analysis

Following the two-step analysis procedure as mentioned above, interwell prediction limits were then constructed using pooled upgradient well data through June 2021 to evaluate the initial intrawell prediction limit exceedances for calcium in downgradient wells GWC-29, GWC-51, and GWC-52; for chloride in downgradient well GWC-51; for pH in downgradient well GWC-29; and for sulfate downgradient well GWC-52 (Figure J). The reported measurements of calcium, chloride, pH, and sulfate were within the interwell prediction limits of 45 mg/L, 13 mg/L, 7 and 5.52 SU (upper and lower limits for pH), and 180 mg/L, respectively. Therefore, no statistically significant increase (SSI) is identified, and no further action is necessary. It was noted that upgradient well GWA-45, included in the interwell background, has higher concentrations than neighboring upgradient wells, especially for several of the Appendix III constituents. For sulfate and chloride in particular, the concentrations at GWA-45 are similar to those observed at downgradient well GWC-52. Therefore, the interwell comparisons for downgradient wells at lower

concentration levels need to be interpreted cautiously and combined with the trend analysis results.

### Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure K). 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. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter. No statistically significant decreasing trends were identified. The following statistically significant increasing trends were identified:

Increasing:

- Calcium: GWC-29 and GWC-52
- Chloride: GWA-46 (upgradient) and GWC-51
- pH: GWC-29
- Sulfate: GWC-52

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer PAC Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

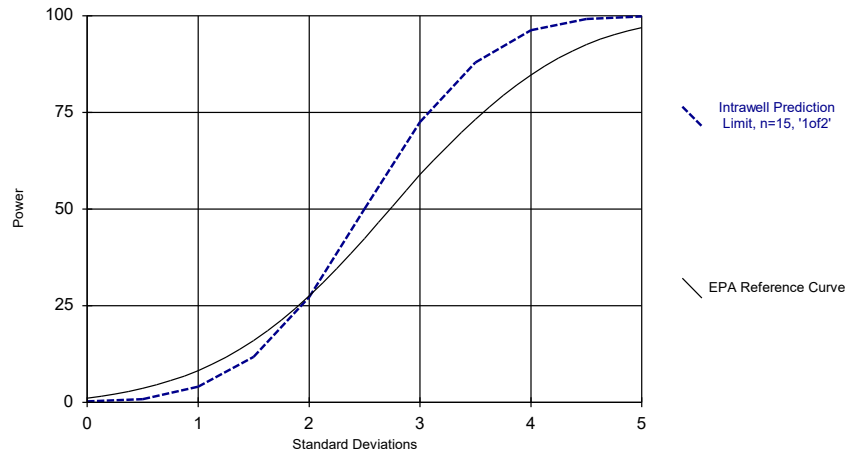


Andrew T. Collins  
Project Manager



Kristina L. Rayner  
Groundwater Statistician

### Appendix I Intrawell Power Curve

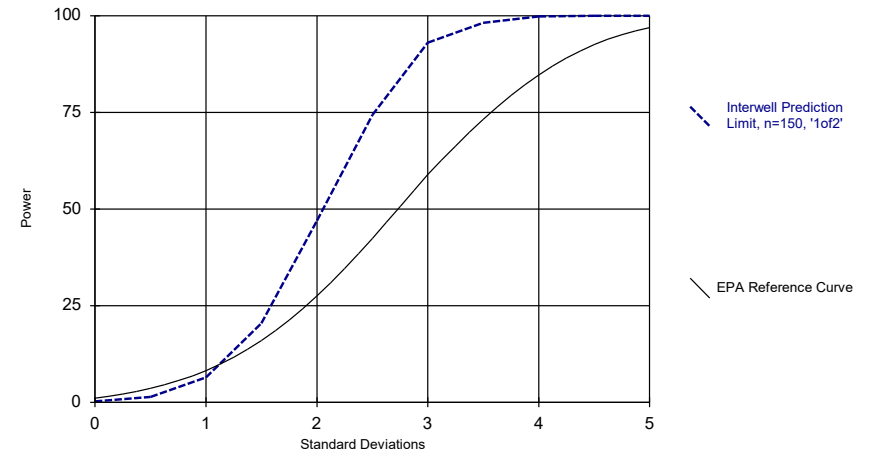


Kappa = 2.449, based on 5 compliance wells and 14 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:09 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Appendix I Interwell Power Curve

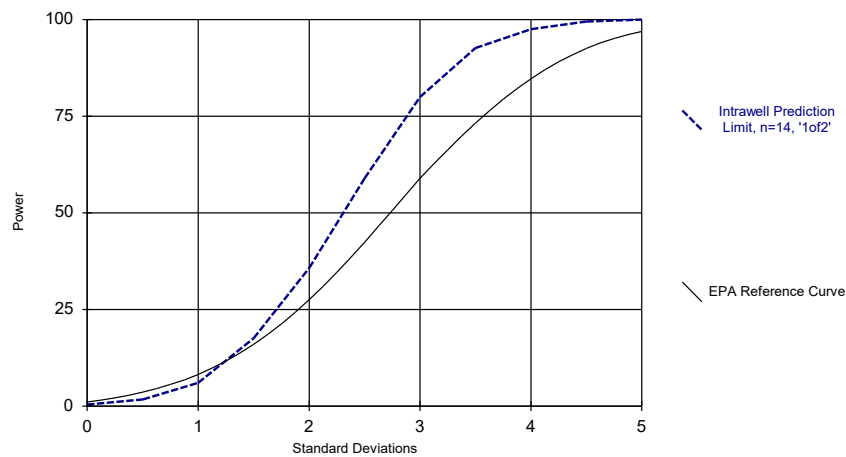


Kappa = 1.95, based on 5 compliance wells and 14 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:09 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Appendix III Intrawell Power Curve

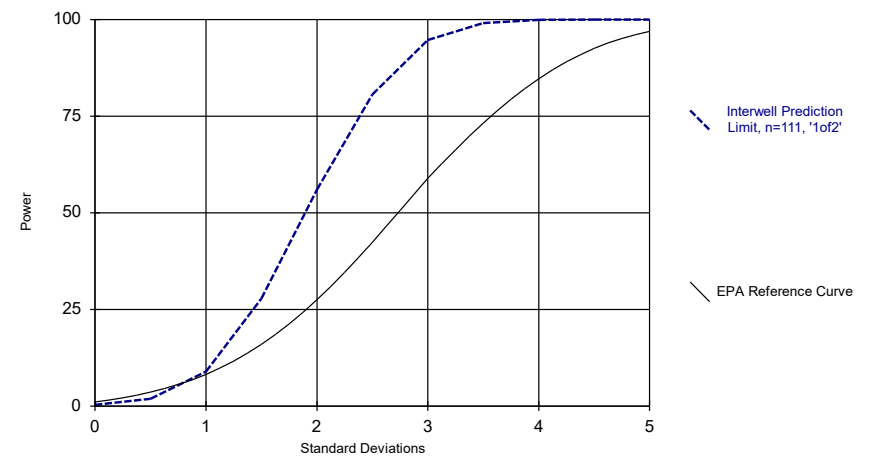


Kappa = 2.236, based on 5 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:10 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Appendix III Interwell Power Curve



Kappa = 1.802, based on 5 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:10 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# 100% Non-Detects

Analysis Run 6/23/2021 4:11 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

**Antimony, Total (mg/L)**

GWA-22, GWA-45, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

**Arsenic, Total (mg/L)**

GWA-21, GWA-22, GWA-46, GWA-47, GWC-51, GWC-52

**Beryllium, Total (mg/L)**

GWA-21, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

**Boron, total (mg/L)**

GWA-22, GWA-46, GWA-49, GWC-50, GWC-51, GWC-52

**Cadmium, Total (mg/L)**

GWA-21, GWA-22, GWA-45, GWA-46, GWA-48, GWA-49, GWC-29, GWC-51, GWC-52, GWC-53

**Chromium, Total (mg/L)**

GWA-45

**Cobalt, Total (mg/L)**

GWC-29, GWC-50, GWC-52

**Copper, Total (mg/L)**

GWA-46, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

**Fluoride, total (mg/L)**

GWC-53

**Lead, Total (mg/L)**

GWA-46, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

**Mercury, Total (mg/L)**

GWC-51, GWC-53

**Nickel, Total (mg/L)**

GWC-52

**Selenium, Total (mg/L)**

GWA-21, GWA-46, GWC-51

**Silver, Total (mg/L)**

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

**Thallium, Total (mg/L)**

GWA-46, GWA-47, GWA-49, GWC-29, GWC-52, GWC-53

# No Variation Well/Constituent Pairs

Date: 6/9/2021 12:54 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

**Antimony, Total (mg/L)**

GWA-22, GWA-45, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

**Arsenic, Total (mg/L)**

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWC-51, GWC-52

**Beryllium, Total (mg/L)**

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

**Boron, total (mg/L)**

GWA-22, GWA-46, GWA-48, GWA-49, GWC-50, GWC-51, GWC-52

**Cadmium, Total (mg/L)**

GWA-21, GWA-22, GWA-45, GWA-46, GWA-48, GWA-49, GWC-29, GWC-51, GWC-52, GWC-53

**Chromium, Total (mg/L)**

GWA-45

**Cobalt, Total (mg/L)**

GWC-29, GWC-50, GWC-52

**Copper, Total (mg/L)**

GWA-46, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

**Fluoride, total (mg/L)**

GWC-53

**Lead, Total (mg/L)**

GWC-53

**Mercury, Total (mg/L)**

GWC-51, GWC-53

**Nickel, Total (mg/L)**

GWA-22, GWC-52

**Selenium, Total (mg/L)**

GWA-21, GWA-46, GWC-51

**Silver, Total (mg/L)**

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

**Thallium, Total (mg/L)**

GWA-46, GWA-47, GWA-49, GWC-29, GWC-51, GWC-52, GWC-53



# Date Ranges

Date: 6/23/2021 3:54 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Barium, Total (mg/L)

GWA-45 background:12/20/2010-10/3/2018

Chromium, Total (mg/L)

GWC-52 background:12/21/2010-10/4/2018

Lead, Total (mg/L)

All Wells:4/6/2016-9/11/2020

Sulfate, total (mg/L)

GWC-52 background:4/11/2016-10/4/2018

# Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-45 (bg)	3.437	Yes	Mann-W
Barium, Total (mg/L)	GWA-46 (bg)	3.133	Yes	Mann-W
Barium, Total (mg/L)	GWC-29	3.03	Yes	Mann-W
Barium, Total (mg/L)	GWC-52	3.169	Yes	Mann-W
Barium, Total (mg/L)	GWC-53	-2.728	Yes	Mann-W
Chromium, Total (mg/L)	GWC-52	3.125	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-46 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-49 (bg)	-2.873	Yes	Mann-W
Nickel, Total (mg/L)	GWA-21 (bg)	-3.922	Yes	Mann-W
Nickel, Total (mg/L)	GWA-45 (bg)	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWA-49 (bg)	-3.234	Yes	Mann-W
Nickel, Total (mg/L)	GWC-50	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWC-51	-3.237	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-21 (bg)	2.898	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-45 (bg)	3.037	Yes	Mann-W
Zinc, Total (mg/L)	GWA-21 (bg)	-3.234	Yes	Mann-W

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

Constituent	Well	Calc.	0.01	Method
Antimony, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Antimony, Total (mg/L)	GWA-46 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWA-45 (bg)	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-29	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-53	-0.5213	No	Mann-W
Barium, Total (mg/L)	GWA-21 (bg)	1.612	No	Mann-W
Barium, Total (mg/L)	GWA-22 (bg)	-1.425	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>3.437</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>3.133</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWA-47 (bg)	-0.06857	No	Mann-W
Barium, Total (mg/L)	GWA-48 (bg)	1.172	No	Mann-W
Barium, Total (mg/L)	GWA-49 (bg)	1.171	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>3.03</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-50	2.003	No	Mann-W
Barium, Total (mg/L)	GWC-51	2.381	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>3.169</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Barium, Total (mg/L)</b>	<b>GWC-53</b>	<b>-2.728</b>	<b>Yes</b>	<b>Mann-W</b>
Beryllium, Total (mg/L)	GWC-51	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWA-47 (bg)	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Chromium, Total (mg/L)	GWA-21 (bg)	-0.5919	No	Mann-W
Chromium, Total (mg/L)	GWA-22 (bg)	1.347	No	Mann-W
Chromium, Total (mg/L)	GWA-46 (bg)	0.1643	No	Mann-W
Chromium, Total (mg/L)	GWA-47 (bg)	-0.03286	No	Mann-W
Chromium, Total (mg/L)	GWA-48 (bg)	-0.2958	No	Mann-W
Chromium, Total (mg/L)	GWA-49 (bg)	0.2301	No	Mann-W
Chromium, Total (mg/L)	GWC-29	-0.3087	No	Mann-W
Chromium, Total (mg/L)	GWC-50	0.5923	No	Mann-W
Chromium, Total (mg/L)	GWC-51	1.316	No	Mann-W
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>3.125</b>	<b>Yes</b>	<b>Mann-W</b>
Chromium, Total (mg/L)	GWC-53	0.1026	No	Mann-W
Cobalt, Total (mg/L)	GWA-21 (bg)	-1.455	No	Mann-W
Cobalt, Total (mg/L)	GWA-22 (bg)	-0.4219	No	Mann-W
Cobalt, Total (mg/L)	GWA-45 (bg)	-2.25	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>-2.628</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWA-47 (bg)	-0.9603	No	Mann-W
Cobalt, Total (mg/L)	GWA-48 (bg)	-1.427	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWA-49 (bg)</b>	<b>-2.873</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-51	-2.552	No	Mann-W
Cobalt, Total (mg/L)	GWC-53	-0.1647	No	Mann-W
Copper, Total (mg/L)	GWA-21 (bg)	2.003	No	Mann-W
Copper, Total (mg/L)	GWA-22 (bg)	-0.5893	No	Mann-W
Copper, Total (mg/L)	GWA-45 (bg)	0.7352	No	Mann-W
Copper, Total (mg/L)	GWA-47 (bg)	-2.53	No	Mann-W
Copper, Total (mg/L)	GWA-48 (bg)	-1.385	No	Mann-W
Copper, Total (mg/L)	GWC-51	-2.294	No	Mann-W
Lead, Total (mg/L)	GWA-21 (bg)	-0.2158	No	Mann-W
Lead, Total (mg/L)	GWA-22 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-45 (bg)	0.1979	No	Mann-W
Lead, Total (mg/L)	GWA-46 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-47 (bg)	-1.148	No	Mann-W
Lead, Total (mg/L)	GWA-48 (bg)	-1.94	No	Mann-W
Lead, Total (mg/L)	GWA-49 (bg)	-1.464	No	Mann-W
Lead, Total (mg/L)	GWC-29	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-50	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-51	-0.1647	No	Mann-W
Lead, Total (mg/L)	GWC-52	-1.395	No	Mann-W

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Mercury, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-45 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-46 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-47 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-48 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-29	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-52	0.3062	No	Mann-W
<b>Nickel, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-3.922</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel, Total (mg/L)	GWA-46 (bg)	-2.239	No	Mann-W
Nickel, Total (mg/L)	GWA-47 (bg)	-1.574	No	Mann-W
Nickel, Total (mg/L)	GWA-48 (bg)	-2.105	No	Mann-W
<b>Nickel, Total (mg/L)</b>	<b>GWA-49 (bg)</b>	<b>-3.234</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel, Total (mg/L)	GWC-29	-2.467	No	Mann-W
<b>Nickel, Total (mg/L)</b>	<b>GWC-50</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel, Total (mg/L)</b>	<b>GWC-51</b>	<b>-3.237</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel, Total (mg/L)	GWC-53	0.8538	No	Mann-W
Selenium, Total (mg/L)	GWA-22 (bg)	0.6723	No	Mann-W
Selenium, Total (mg/L)	GWA-45 (bg)	0.7043	No	Mann-W
Selenium, Total (mg/L)	GWA-47 (bg)	0.3128	No	Mann-W
Selenium, Total (mg/L)	GWA-48 (bg)	0.5259	No	Mann-W
Selenium, Total (mg/L)	GWA-49 (bg)	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-29	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-50	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-52	0.9566	No	Mann-W
Selenium, Total (mg/L)	GWC-53	0.6723	No	Mann-W
Thallium, Total (mg/L)	GWA-21 (bg)	0.5145	No	Mann-W
Thallium, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Thallium, Total (mg/L)	GWA-45 (bg)	-0.9168	No	Mann-W
Thallium, Total (mg/L)	GWA-48 (bg)	-2.552	No	Mann-W
Thallium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
<b>Vanadium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>2.898</b>	<b>Yes</b>	<b>Mann-W</b>
Vanadium, Total (mg/L)	GWA-22 (bg)	1.621	No	Mann-W
<b>Vanadium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>3.037</b>	<b>Yes</b>	<b>Mann-W</b>
Vanadium, Total (mg/L)	GWA-46 (bg)	-0.1284	No	Mann-W
Vanadium, Total (mg/L)	GWA-47 (bg)	-0.1625	No	Mann-W
Vanadium, Total (mg/L)	GWA-48 (bg)	2.536	No	Mann-W
Vanadium, Total (mg/L)	GWA-49 (bg)	1.518	No	Mann-W
Vanadium, Total (mg/L)	GWC-29	1.543	No	Mann-W
Vanadium, Total (mg/L)	GWC-50	-0.8783	No	Mann-W
Vanadium, Total (mg/L)	GWC-51	0.4492	No	Mann-W
Vanadium, Total (mg/L)	GWC-52	-1.528	No	Mann-W
Vanadium, Total (mg/L)	GWC-53	0.3795	No	Mann-W
<b>Zinc, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-3.234</b>	<b>Yes</b>	<b>Mann-W</b>
Zinc, Total (mg/L)	GWA-22 (bg)	1.94	No	Mann-W
Zinc, Total (mg/L)	GWA-45 (bg)	1.289	No	Mann-W
Zinc, Total (mg/L)	GWA-46 (bg)	-0.9853	No	Mann-W
Zinc, Total (mg/L)	GWA-47 (bg)	-1.845	No	Mann-W
Zinc, Total (mg/L)	GWA-48 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWA-49 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-29	2.065	No	Mann-W
Zinc, Total (mg/L)	GWC-50	-0.3463	No	Mann-W
Zinc, Total (mg/L)	GWC-51	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-52	1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-53	0.4297	No	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	2.749	Yes	Mann-W
Calcium, total (mg/L)	GWC-52	2.711	Yes	Mann-W
Chloride, Total (mg/L)	GWA-46 (bg)	2.679	Yes	Mann-W
Fluoride, total (mg/L)	GWA-21 (bg)	-2.957	Yes	Mann-W
Fluoride, total (mg/L)	GWA-22 (bg)	-3.77	Yes	Mann-W
Fluoride, total (mg/L)	GWA-47 (bg)	-3.179	Yes	Mann-W
Fluoride, total (mg/L)	GWA-48 (bg)	-3.097	Yes	Mann-W
Fluoride, total (mg/L)	GWA-49 (bg)	-3.187	Yes	Mann-W
Fluoride, total (mg/L)	GWC-29	-2.961	Yes	Mann-W
Fluoride, total (mg/L)	GWC-51	2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-52	-3.77	Yes	Mann-W
pH (S.U.)	GWC-29	2.896	Yes	Mann-W
Sulfate, total (mg/L)	GWA-47 (bg)	2.986	Yes	Mann-W
Sulfate, total (mg/L)	GWC-29	2.649	Yes	Mann-W
Sulfate, total (mg/L)	GWC-52	2.812	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-21 (bg)	2.618	Yes	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

Constituent	Well	Calc.	0.01	Method
Boron, total (mg/L)	GWA-21 (bg)	-0.7724	No	Mann-W
Boron, total (mg/L)	GWA-45 (bg)	2.415	No	Mann-W
Boron, total (mg/L)	GWA-47 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-29	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-53	1.254	No	Mann-W
Calcium, total (mg/L)	GWA-21 (bg)	0.8501	No	Mann-W
Calcium, total (mg/L)	GWA-22 (bg)	0	No	Mann-W
Calcium, total (mg/L)	GWA-45 (bg)	0.2616	No	Mann-W
Calcium, total (mg/L)	GWA-46 (bg)	1.244	No	Mann-W
Calcium, total (mg/L)	GWA-47 (bg)	1.916	No	Mann-W
Calcium, total (mg/L)	GWA-48 (bg)	1.176	No	Mann-W
Calcium, total (mg/L)	GWA-49 (bg)	0.9253	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>2.749</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-50	1.839	No	Mann-W
Calcium, total (mg/L)	GWC-51	2.17	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>2.711</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-53	1.788	No	Mann-W
Chloride, Total (mg/L)	GWA-21 (bg)	0.7848	No	Mann-W
Chloride, Total (mg/L)	GWA-22 (bg)	-1.378	No	Mann-W
Chloride, Total (mg/L)	GWA-45 (bg)	0.9324	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>2.679</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWA-47 (bg)	0.06685	No	Mann-W
Chloride, Total (mg/L)	GWA-48 (bg)	0.07223	No	Mann-W
Chloride, Total (mg/L)	GWA-49 (bg)	-0.8715	No	Mann-W
Chloride, Total (mg/L)	GWC-29	-1.993	No	Mann-W
Chloride, Total (mg/L)	GWC-50	-0.2077	No	Mann-W
Chloride, Total (mg/L)	GWC-51	2.494	No	Mann-W
Chloride, Total (mg/L)	GWC-52	-0.7102	No	Mann-W
Chloride, Total (mg/L)	GWC-53	2.574	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-2.957</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>-3.77</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWA-45 (bg)	-1.773	No	Mann-W
Fluoride, total (mg/L)	GWA-46 (bg)	-0.7724	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWA-47 (bg)</b>	<b>-3.179</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>-3.097</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-49 (bg)</b>	<b>-3.187</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-29</b>	<b>-2.961</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-50	-2.262	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-51</b>	<b>2.597</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-52</b>	<b>-3.77</b>	<b>Yes</b>	<b>Mann-W</b>
pH (S.U.)	GWA-21 (bg)	1.768	No	Mann-W
pH (S.U.)	GWA-22 (bg)	0.6379	No	Mann-W
pH (S.U.)	GWA-45 (bg)	0.1705	No	Mann-W
pH (S.U.)	GWA-46 (bg)	1.931	No	Mann-W
pH (S.U.)	GWA-47 (bg)	0.9751	No	Mann-W
pH (S.U.)	GWA-48 (bg)	0.6815	No	Mann-W
pH (S.U.)	GWA-49 (bg)	0.5108	No	Mann-W
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>2.896</b>	<b>Yes</b>	<b>Mann-W</b>
pH (S.U.)	GWC-50	-1.763	No	Mann-W
pH (S.U.)	GWC-51	1.545	No	Mann-W
pH (S.U.)	GWC-52	1.016	No	Mann-W
pH (S.U.)	GWC-53	1.369	No	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Sulfate, total (mg/L)	GWA-21 (bg)	-1.373	No	Mann-W
Sulfate, total (mg/L)	GWA-22 (bg)	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWA-45 (bg)	1.269	No	Mann-W
Sulfate, total (mg/L)	GWA-46 (bg)	-1.632	No	Mann-W
<b>Sulfate, total (mg/L)</b>	<b>GWA-47 (bg)</b>	<b>2.986</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate, total (mg/L)	GWA-48 (bg)	1.787	No	Mann-W
Sulfate, total (mg/L)	GWA-49 (bg)	-1.479	No	Mann-W
<b>Sulfate, total (mg/L)</b>	<b>GWC-29</b>	<b>2.649</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate, total (mg/L)	GWC-50	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWC-51	1.788	No	Mann-W
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>2.812</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate, total (mg/L)	GWC-53	2.286	No	Mann-W
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>2.618</b>	<b>Yes</b>	<b>Mann-W</b>
Total Dissolved Solids [TDS] (mg/L)	GWA-22 (bg)	0.4578	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-45 (bg)	2.494	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-46 (bg)	1.504	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-47 (bg)	1.766	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-48 (bg)	1.914	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-49 (bg)	2.546	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-29	1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-50	0.4574	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-51	0.9243	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-52	2.295	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-53	2.093	No	Mann-W

# Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWA-45	0.05701	n/a	4/2/2021	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	n/a	4/5/2021	0.019	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	4/5/2021	0.031	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	4/6/2021	0.0019	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2







# Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 1:31 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWC-52	0.057	n/a	4/5/2021	0.019	No	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	4/5/2021	0.031	No	201	n/a	n/a	19.4	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.022	n/a	4/6/2021	0.0019	No	165	n/a	n/a	81.21	n/a	n/a	0.00007258	NP Inter (NDs) 1 of 2

# Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/21/2021, 12:54 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004146	-152	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006343	329	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003288	165	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.000696	301	139	Yes	29	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004985	-184	-139	Yes	29	13.79	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.000569	232	139	Yes	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.00108	235	139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.000281	-121	-105	Yes	24	54.17	n/a	n/a	0.01	NP

# Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 12:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0004836	112	131	No	28	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>-0.0004146</b>	<b>-152</b>	<b>-139</b>	<b>Yes</b>	<b>29</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>0.006343</b>	<b>329</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.0003288</b>	<b>165</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWA-47 (bg)	-0.001051	-101	-131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-28	-124	No	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-28	-139	No	29	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.000696</b>	<b>301</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-0.0004985</b>	<b>-184</b>	<b>-139</b>	<b>Yes</b>	<b>29</b>	<b>13.79</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>0.000569</b>	<b>232</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>6.897</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium, Total (mg/L)	GWA-45 (bg)	0	0	124	No	27	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00005196	57	139	No	29	3.448	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003293	-56	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0004164	-104	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00005362	-38	-139	No	29	3.448	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.00108</b>	<b>235</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>3.448</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel, Total (mg/L)	GWA-21 (bg)	0	-78	-98	No	23	82.61	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-22 (bg)	0	-22	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-45 (bg)	0	-76	-105	No	24	83.33	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-46 (bg)	0	-16	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-47 (bg)	0	-52	-105	No	24	66.67	n/a	n/a	0.01	NP
<b>Nickel, Total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>-0.000281</b>	<b>-121</b>	<b>-105</b>	<b>Yes</b>	<b>24</b>	<b>54.17</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel, Total (mg/L)	GWA-49 (bg)	0	-37	-105	No	24	91.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-50	0	-34	-105	No	24	83.33	n/a	n/a	0.01	NP

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-47	12.34	n/a	4/5/2021	13	Yes	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.64	n/a	4/6/2021	16	Yes	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	16	n/a	4/6/2021	17	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	7.763	n/a	4/5/2021	8	Yes	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	19.24	n/a	4/5/2021	21	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	12	n/a	4/2/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.852	n/a	4/5/2021	5.3	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-47	1.787	n/a	4/5/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.996	n/a	4/5/2021	2	Yes	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.599	n/a	4/5/2021	7.8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2
pH (S.U.)	GWA-21	5.979	5.611	4/2/2021	6.06	Yes	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-45	6.48	5.95	4/2/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-29	6.059	5.652	4/6/2021	6.3	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	4/5/2021	57	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2



# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate, total (mg/L)	GWA-21	2.559	n/a	4/2/2021	0.99J	No	15	1.375	0.5398	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	4/2/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	183.3	n/a	4/2/2021	180	No	15	147.8	16.19	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-46	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.689	n/a	4/5/2021	1.3	No	15	1.235	0.2069	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-49	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-29	3.367	n/a	4/6/2021	2.5	No	15	2.643	0.33	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-50	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-51	2.7	n/a	4/5/2021	1.7	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>26.14</b>	<b>n/a</b>	<b>4/5/2021</b>	<b>57</b>	<b>Yes</b>	<b>11</b>	<b>12.62</b>	<b>5.636</b>	<b>9.091</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Sulfate, total (mg/L)	GWC-53	186.4	n/a	4/6/2021	160	No	15	153.7	14.9	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	129.8	n/a	4/2/2021	100	No	15	85.4	20.24	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	105.2	n/a	4/2/2021	69	No	15	66.13	17.82	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	366.7	n/a	4/2/2021	360	No	15	271.8	43.29	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	94.72	n/a	4/5/2021	46	No	15	51.77	19.59	6.667	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	118.4	n/a	4/5/2021	63	No	15	86.07	14.72	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	126.5	n/a	4/5/2021	99	No	15	92.53	15.48	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	131.2	n/a	4/6/2021	110	No	14	107.4	10.65	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	139.5	n/a	4/6/2021	110	No	15	90.67	22.27	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	119.1	n/a	4/6/2021	49	No	15	70.53	22.17	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	108.7	n/a	4/5/2021	66	No	14	77.07	14.12	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	193.6	n/a	4/5/2021	170	No	15	128.3	29.78	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	332.3	n/a	4/6/2021	250	No	15	254.5	35.48	0	None	No	0.001504	Param Intra 1 of 2



# Appendix III Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:09 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	45	n/a	4/6/2021	17	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	45	n/a	4/5/2021	8	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-52	45	n/a	4/5/2021	21	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-51	13	n/a	4/5/2021	7.8	No	111	n/a	n/a	0	n/a	n/a	0.0001613	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-29	7	5.52	4/6/2021	6.3	No	132	n/a	n/a	0	n/a	n/a	0.0002277	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-52	180	n/a	4/5/2021	57	No	112	n/a	n/a	45.54	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2

# Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	1.175	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.494	85	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4208	89	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.2129	63	53	Yes	15	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.04776	71	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	8.245	104	58	Yes	16	6.25	n/a	n/a	0.01	NP

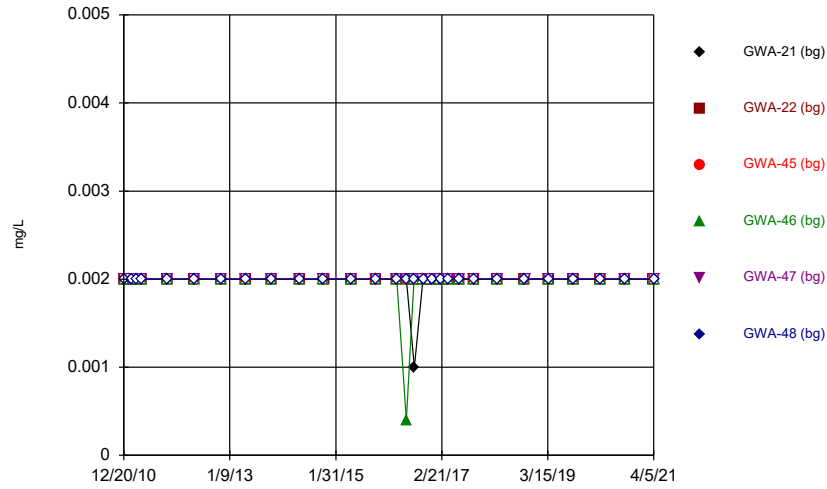
# Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.1777	19	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	0.04256	5	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	0.7613	17	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.2179	43	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.3066	52	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.04002	32	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	24	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>1.175</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	GWC-51	0.1708	49	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>1.494</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-21 (bg)	0.2105	57	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.4014	-51	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.2289	44	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4208</b>	<b>89</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-47 (bg)	-0.02794	-17	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.009475	-14	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.04407	-40	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.2129</b>	<b>63</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (S.U.)	GWA-21 (bg)	0.01885	37	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01022	11	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.0171	-32	-68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.01571	36	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.01187	49	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.005062	10	68	No	18	0	n/a	n/a	0.01	NP
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>0.04776</b>	<b>71</b>	<b>68</b>	<b>Yes</b>	<b>18</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	GWA-21 (bg)	0.07864	20	58	No	16	6.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-9	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	6.88	52	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-23	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	-34	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.03612	30	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	-26	-58	No	16	68.75	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>8.245</b>	<b>104</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>6.25</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

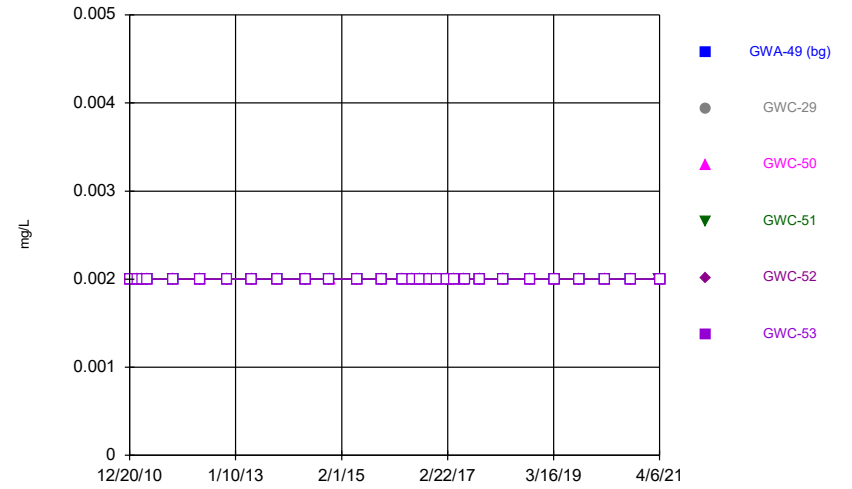
FIGURE A.

Time Series



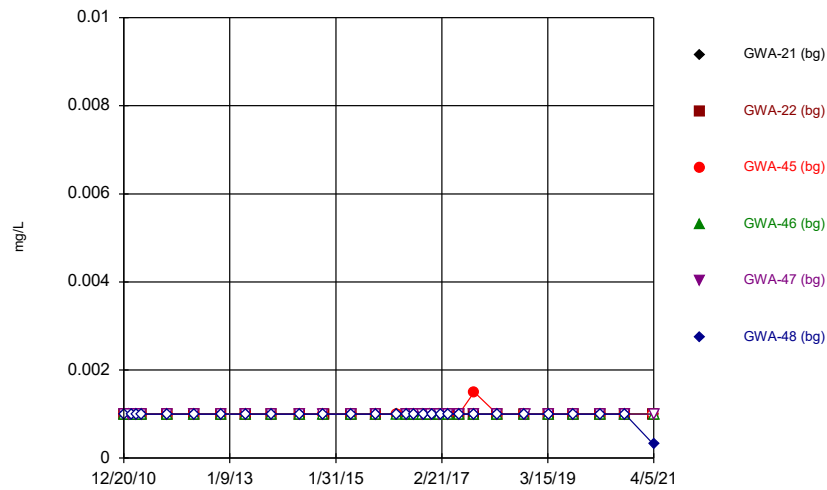
Constituent: Antimony, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



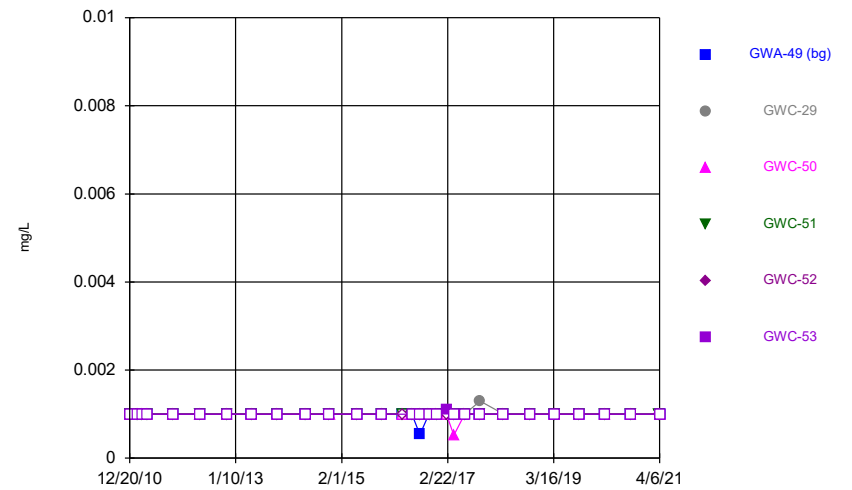
Constituent: Antimony, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



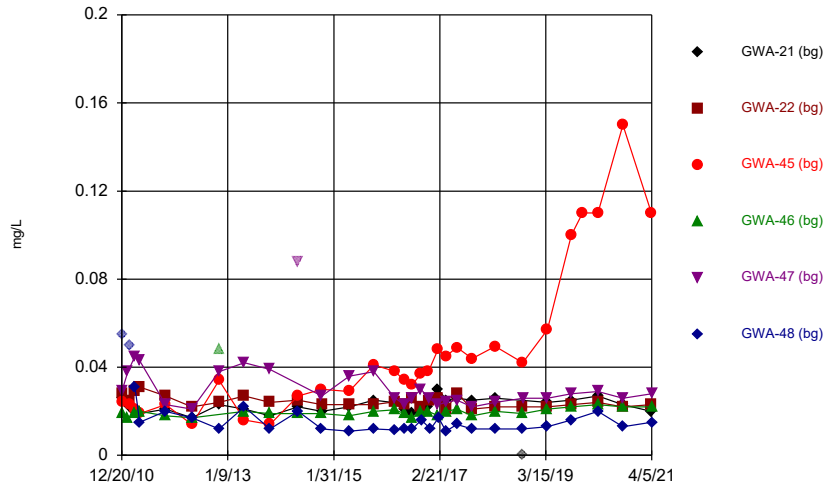
Constituent: Arsenic, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



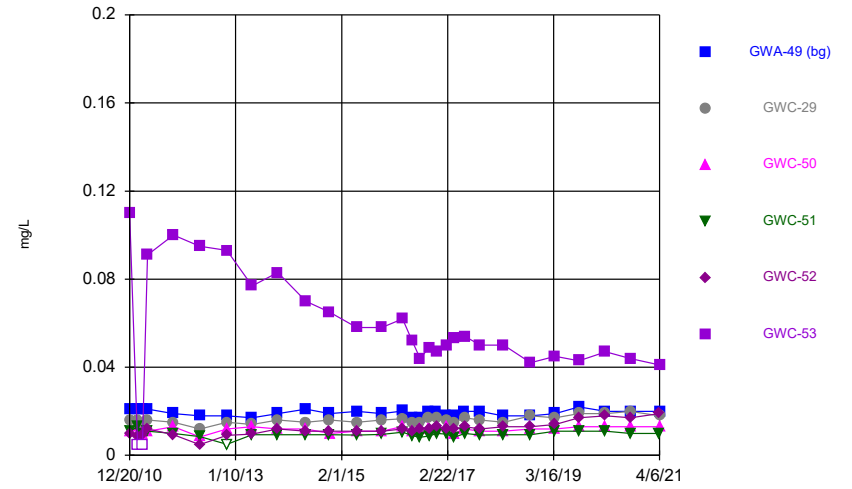
Constituent: Arsenic, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



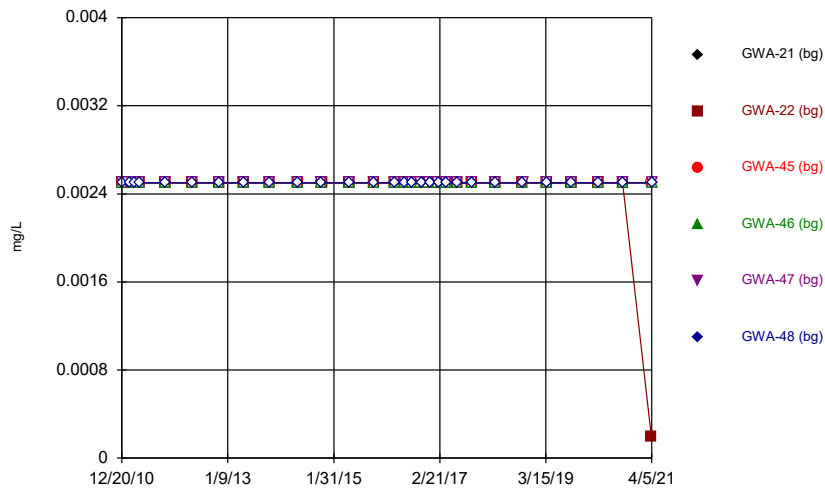
Constituent: Barium, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



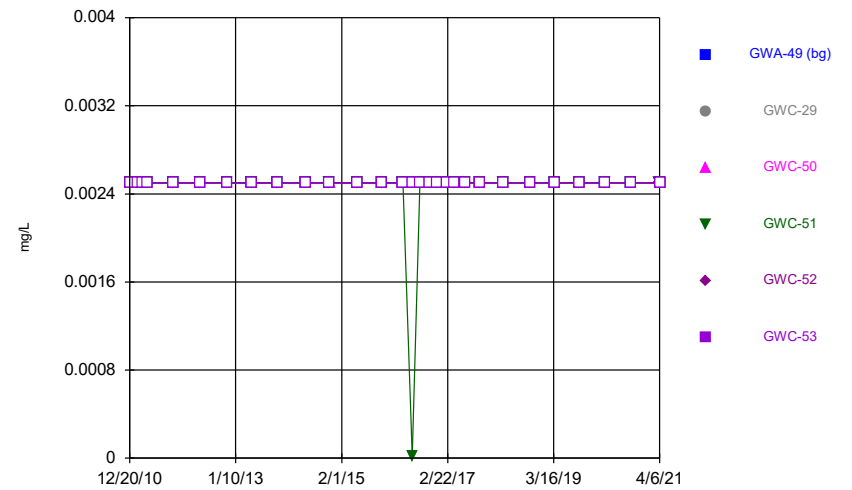
Constituent: Barium, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



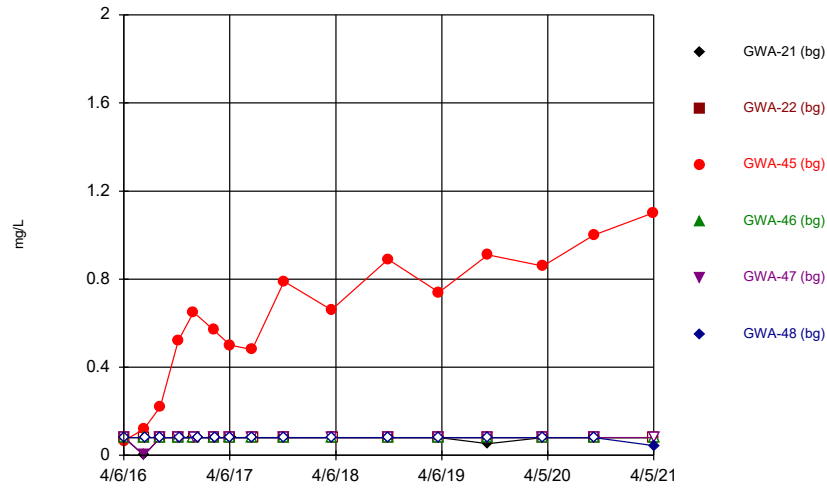
Constituent: Beryllium, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



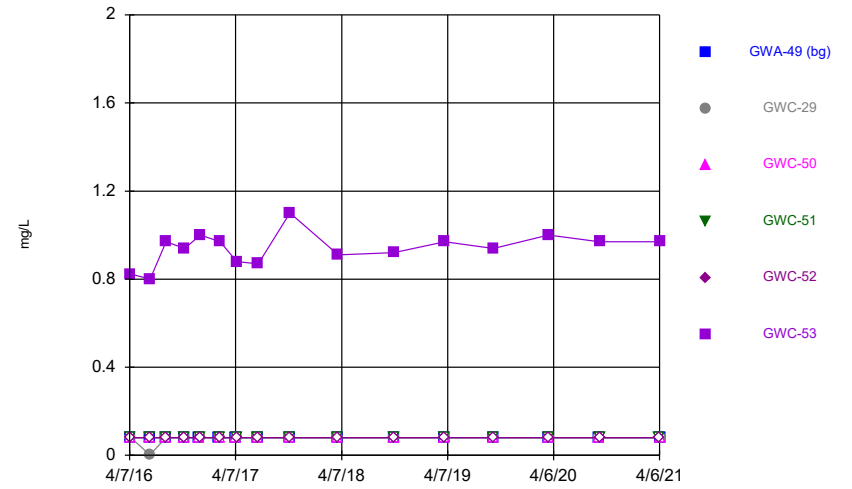
Constituent: Beryllium, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



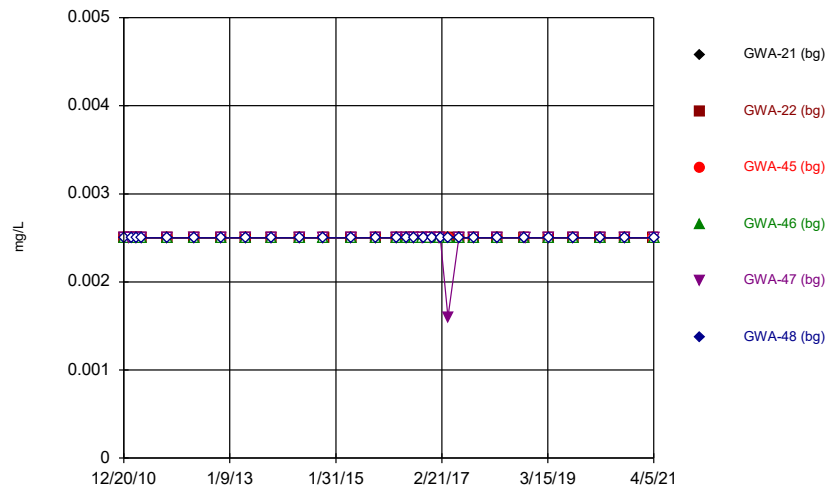
Constituent: Boron, total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



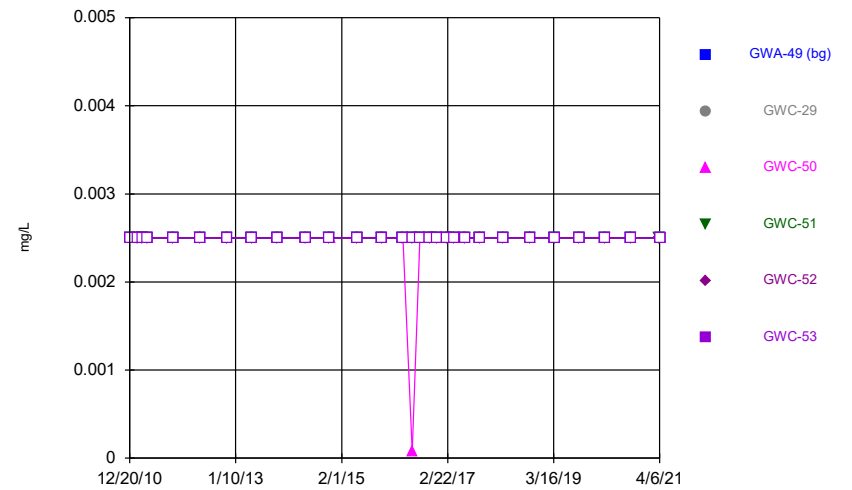
Constituent: Boron, total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



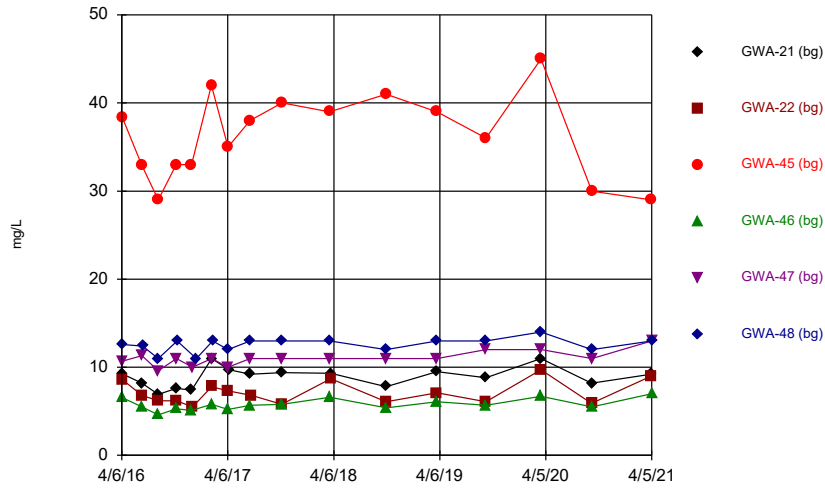
Constituent: Cadmium, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



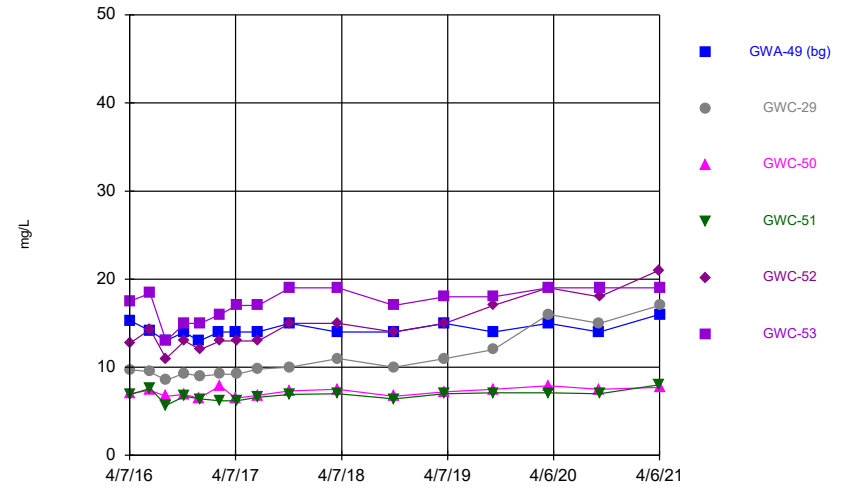
Constituent: Cadmium, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



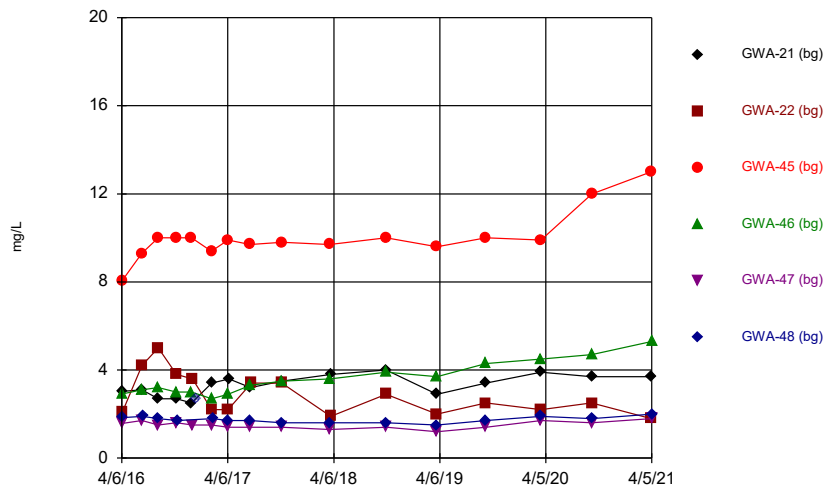
Constituent: Calcium, total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



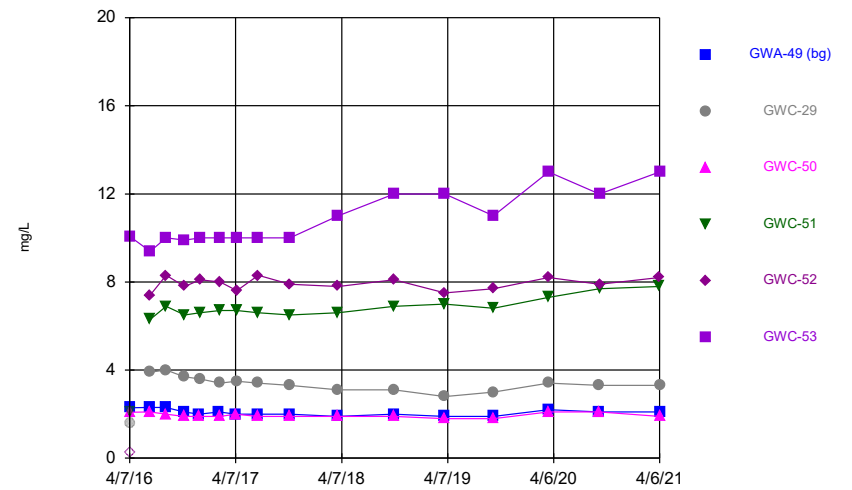
Constituent: Calcium, total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Chloride, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

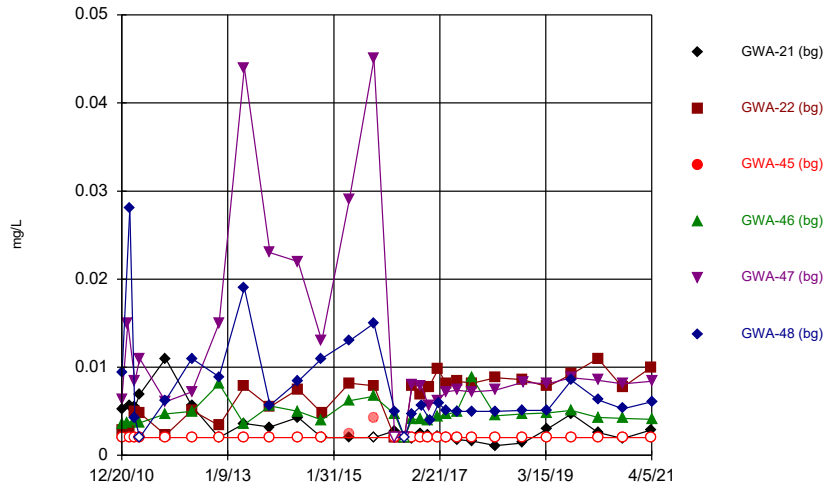
Time Series



Constituent: Chloride, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

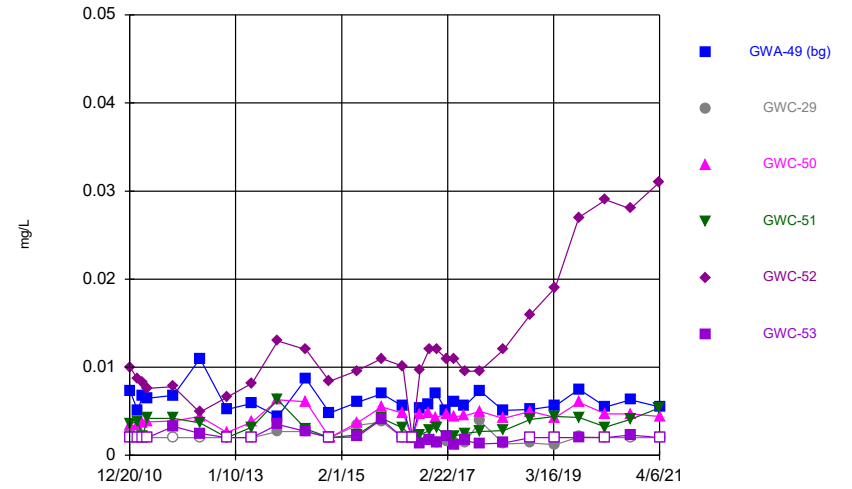


### Time Series



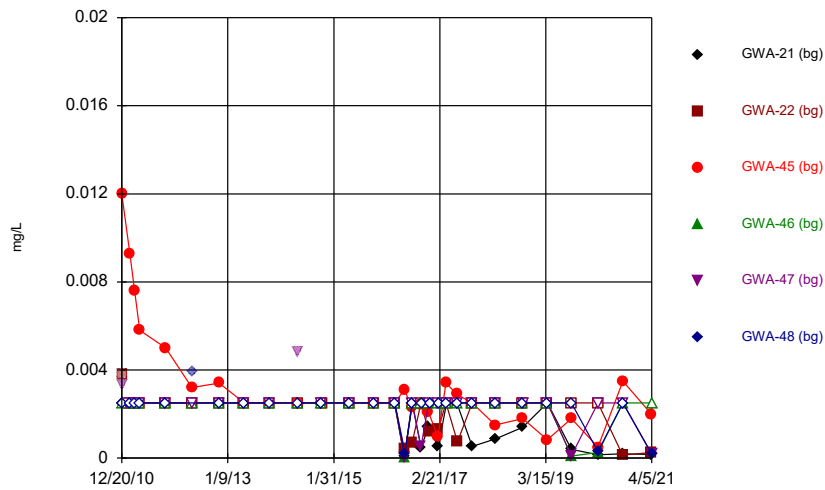
Constituent: Chromium, Total Analysis Run 6/21/2021 1:41 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Time Series



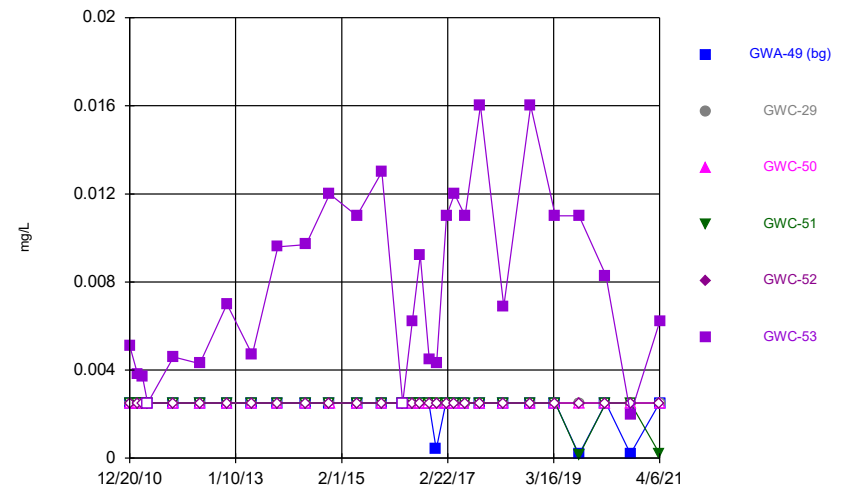
Constituent: Chromium, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Time Series



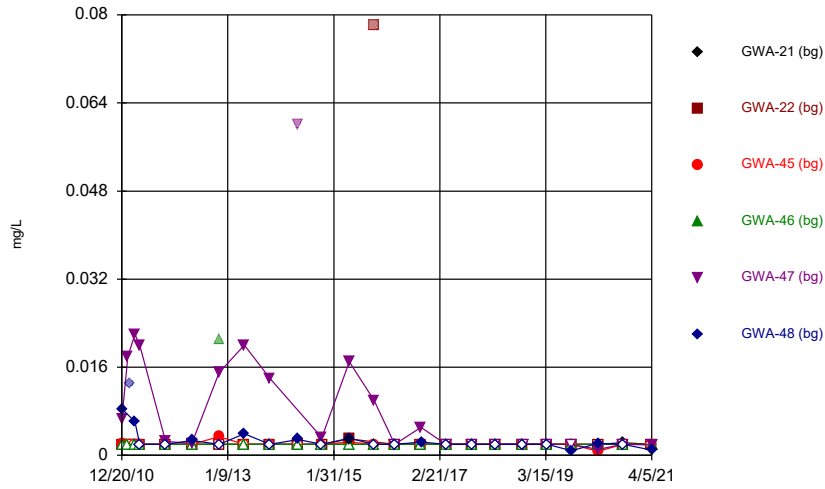
Constituent: Cobalt, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Time Series



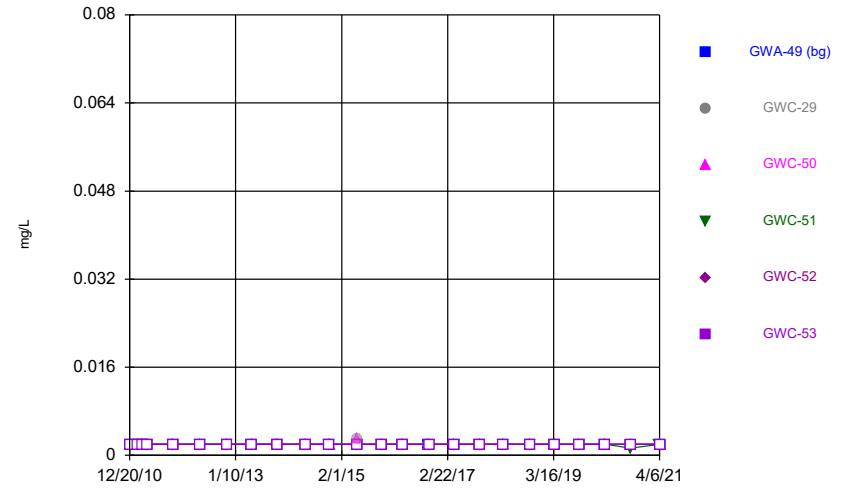
Constituent: Cobalt, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



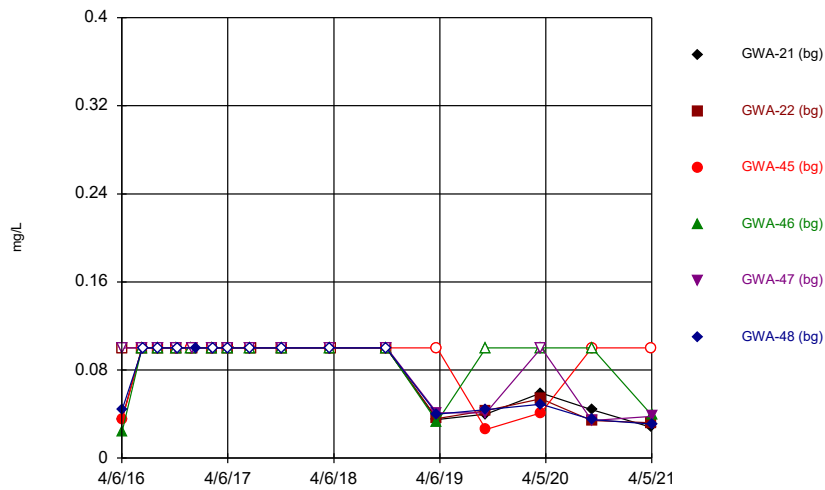
Constituent: Copper, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



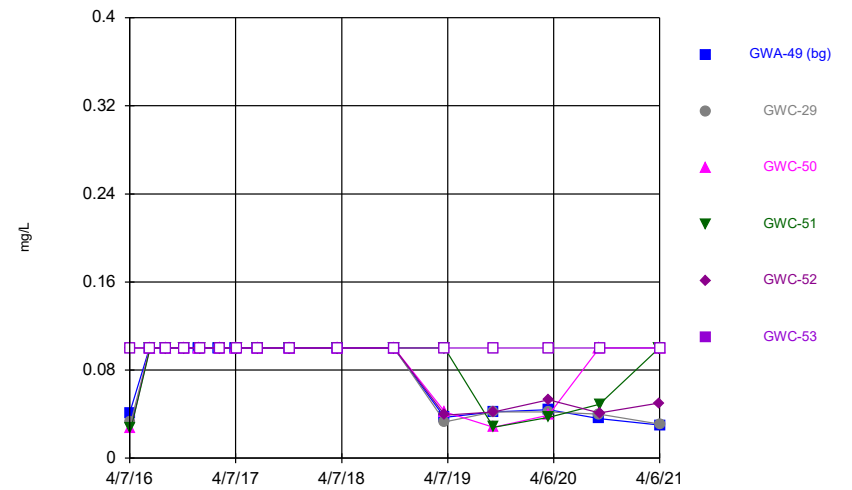
Constituent: Copper, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



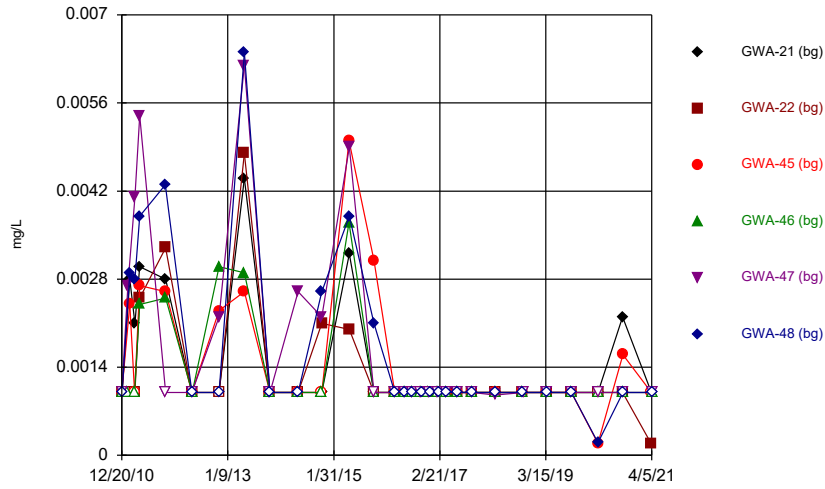
Constituent: Fluoride, total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



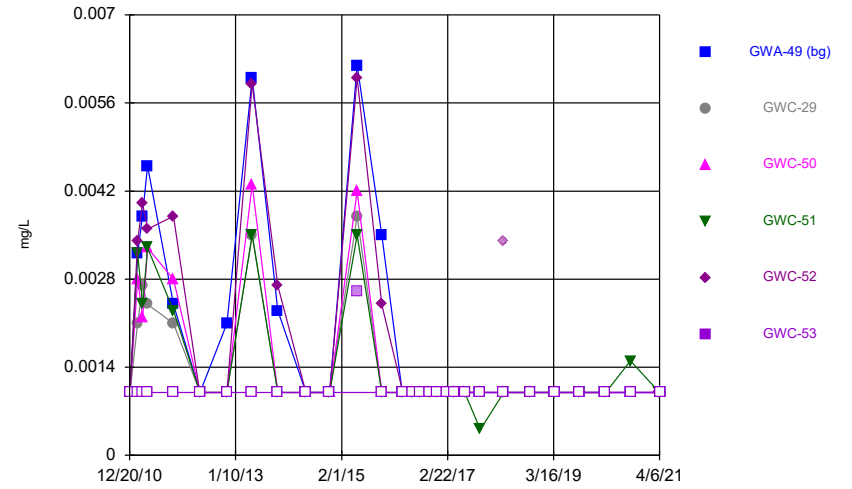
Constituent: Fluoride, total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Time Series



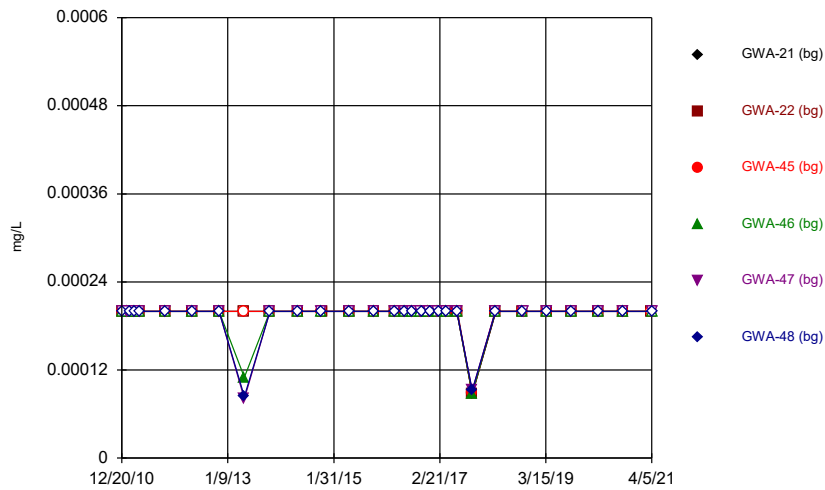
Constituent: Lead, Total Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Time Series



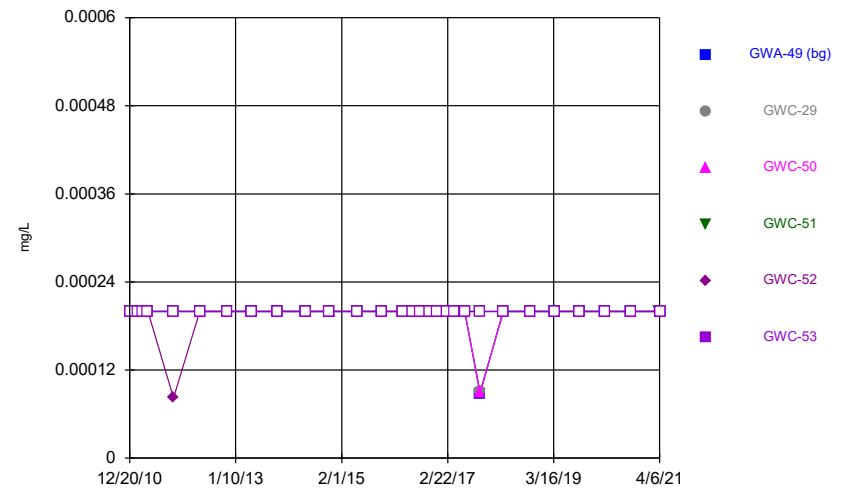
Constituent: Lead, Total Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Time Series



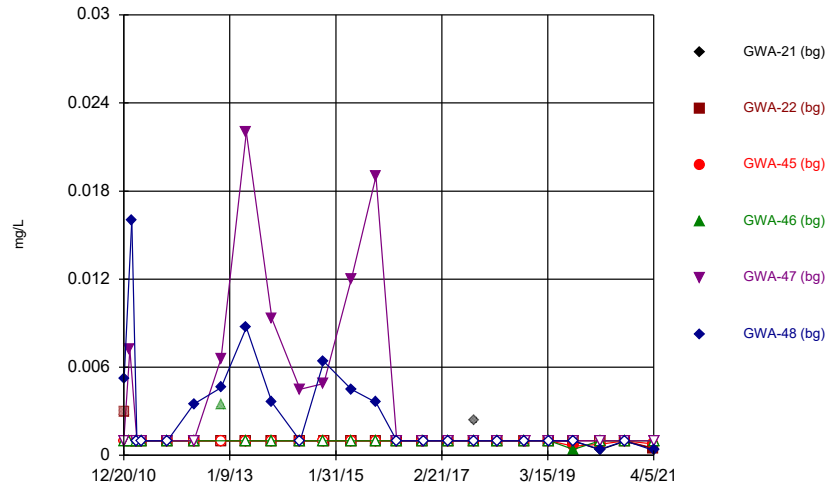
Constituent: Mercury, Total Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Time Series



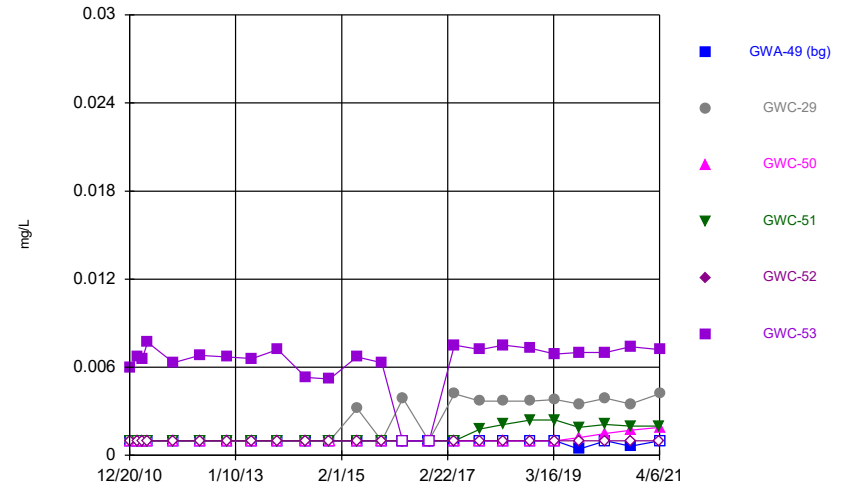
Constituent: Mercury, Total Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



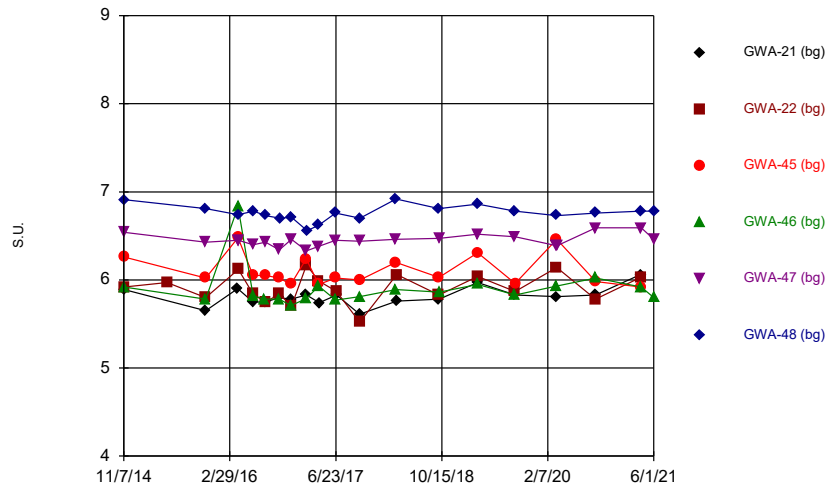
Constituent: Nickel, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



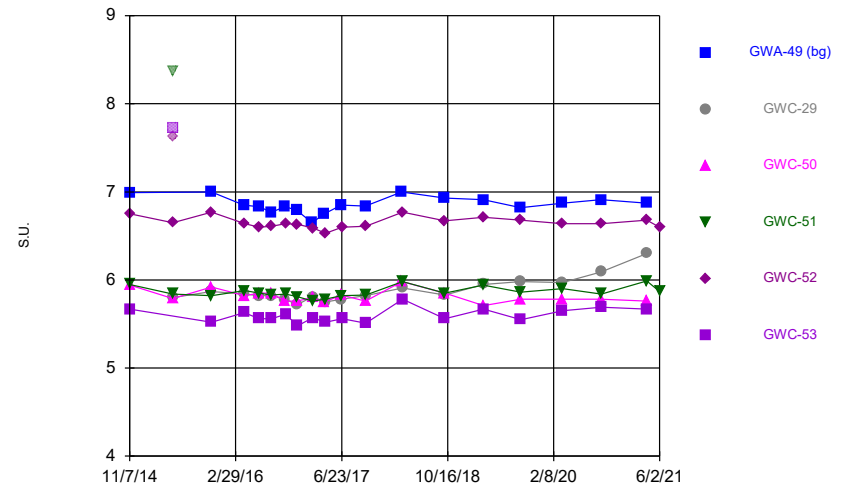
Constituent: Nickel, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



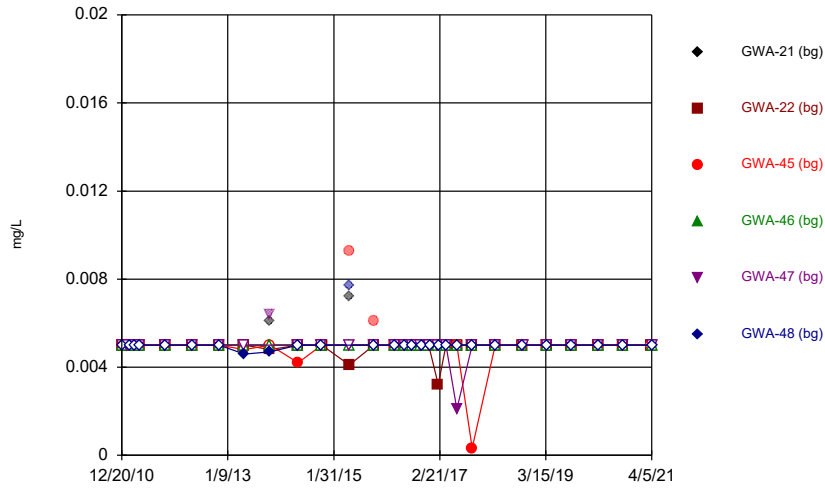
Constituent: pH Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



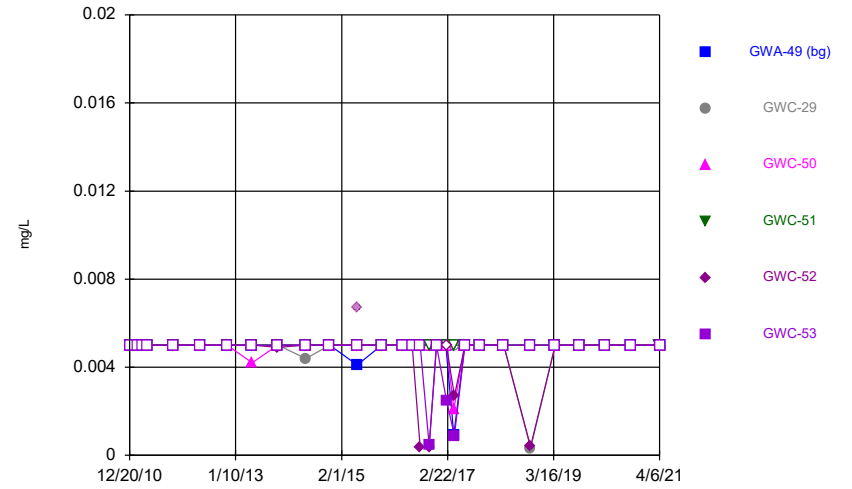
Constituent: pH Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



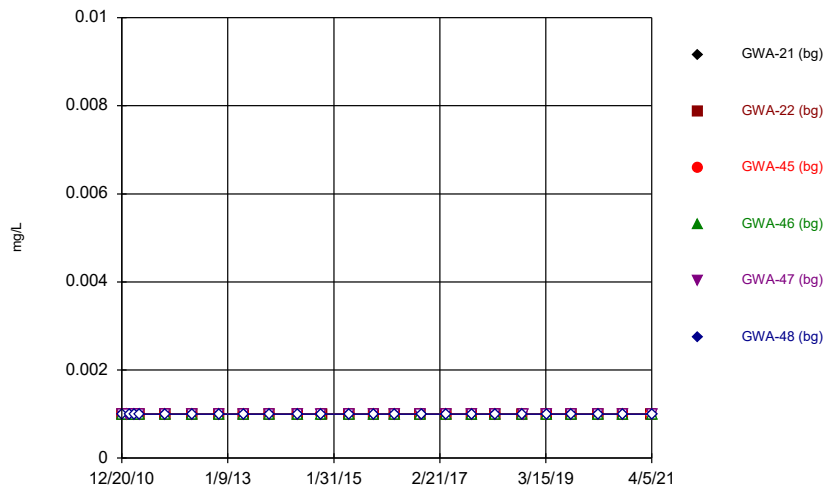
Constituent: Selenium, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



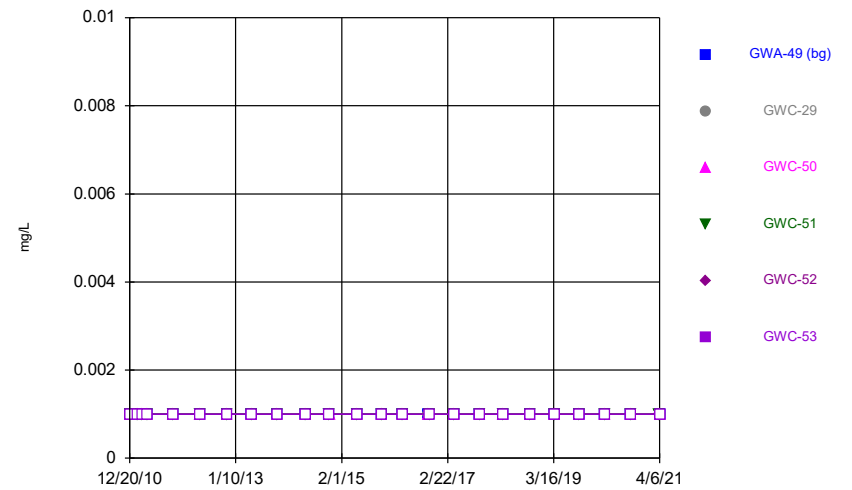
Constituent: Selenium, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



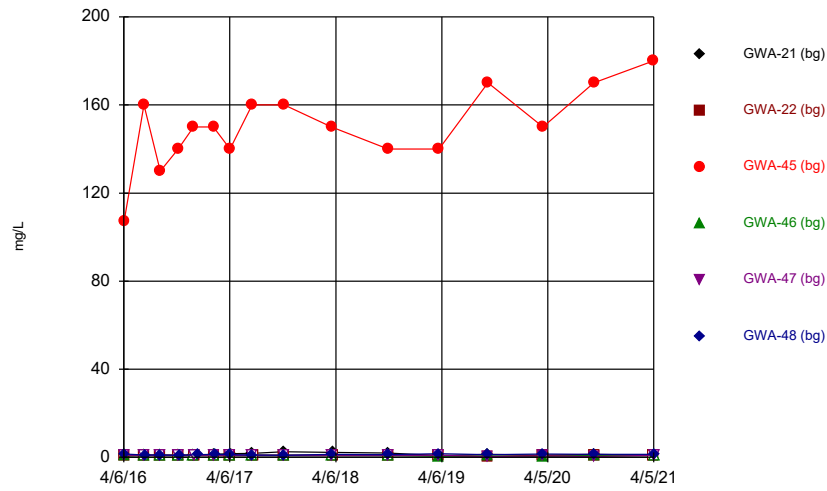
Constituent: Silver, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



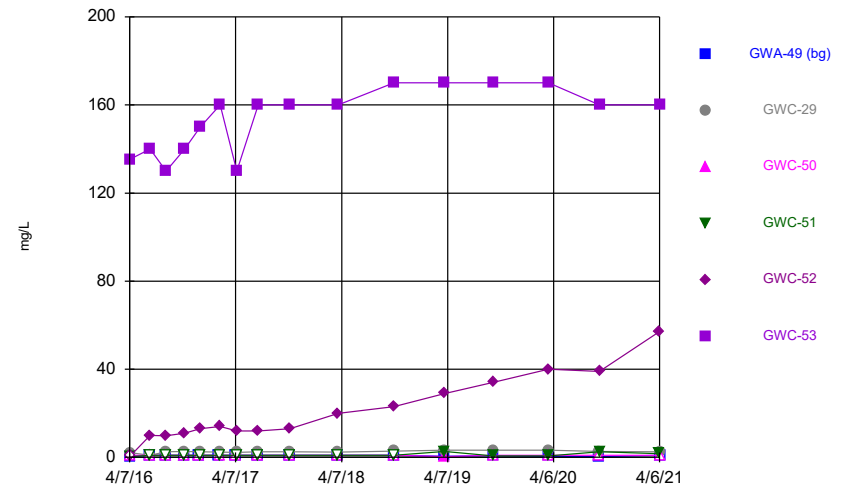
Constituent: Silver, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



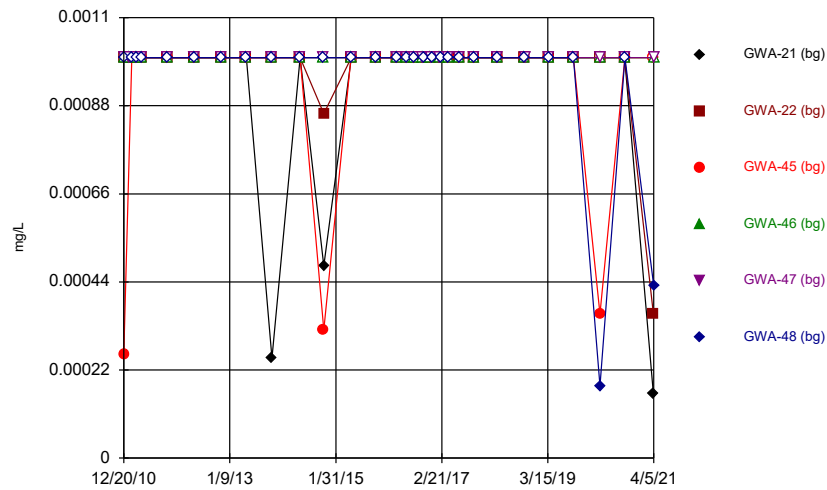
Constituent: Sulfate, total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



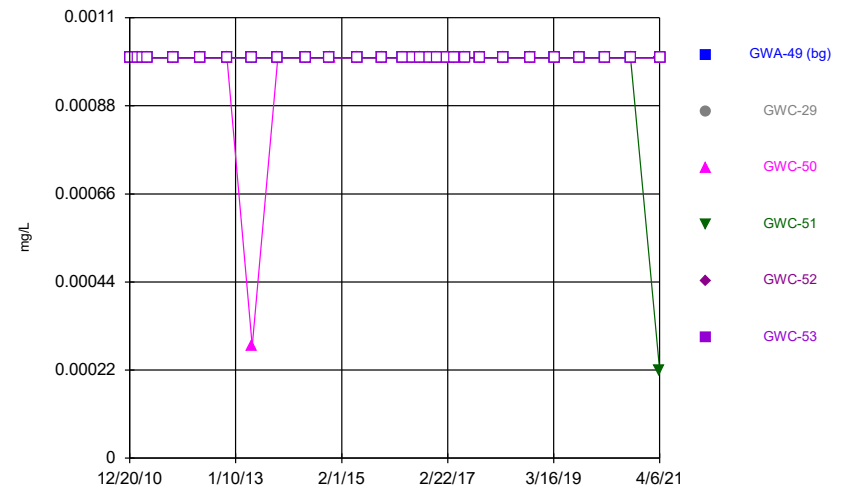
Constituent: Sulfate, total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



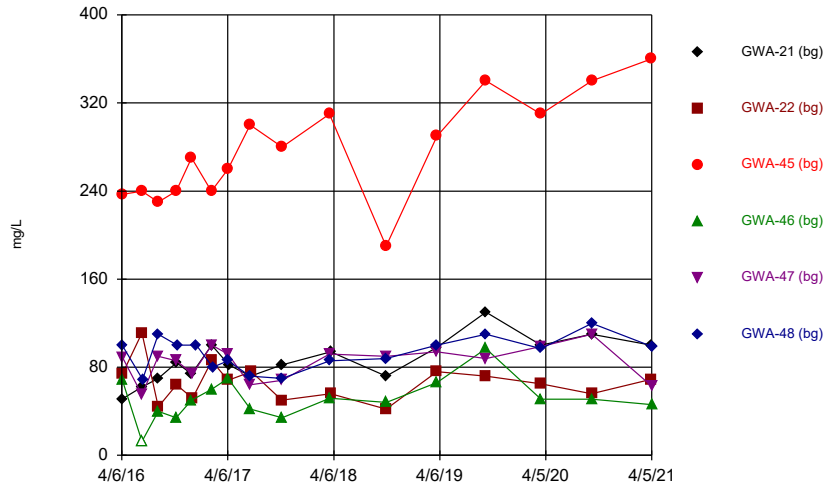
Constituent: Thallium, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



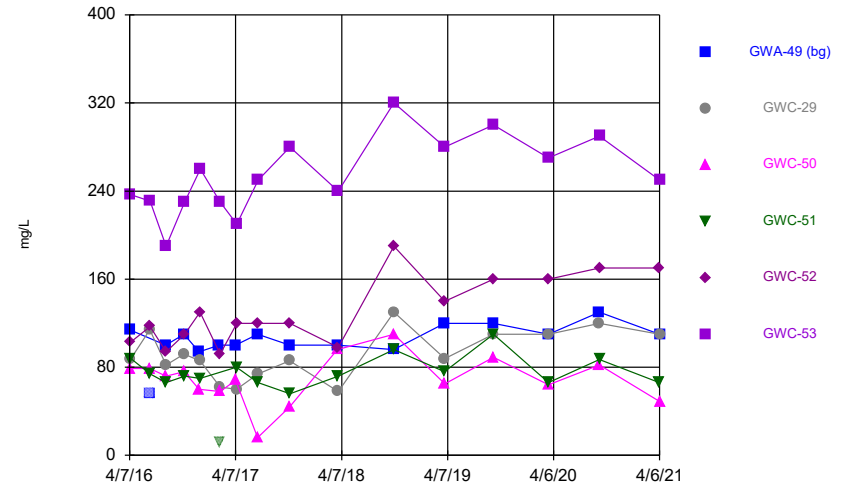
Constituent: Thallium, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



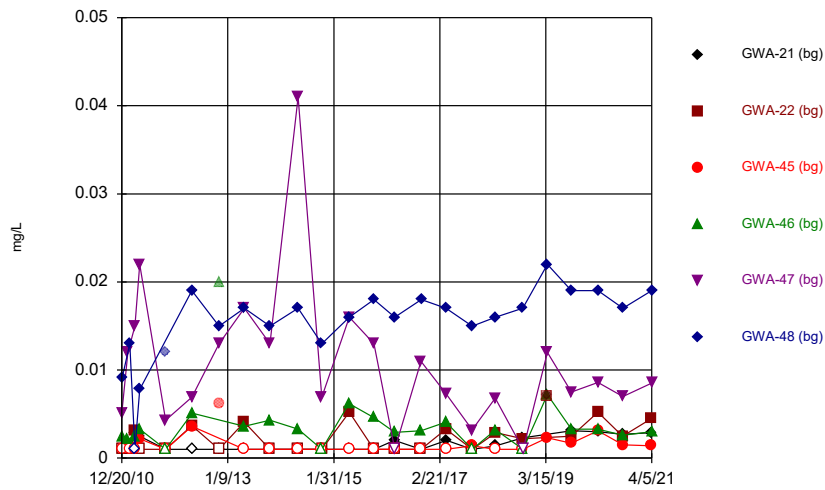
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



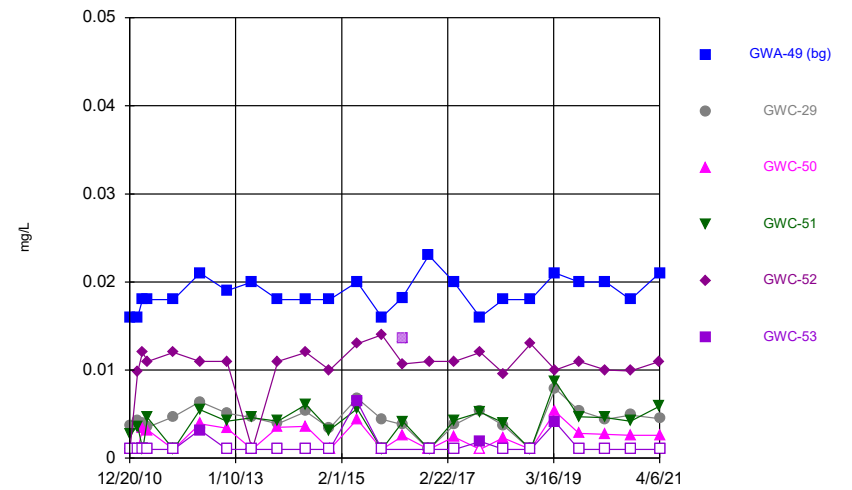
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



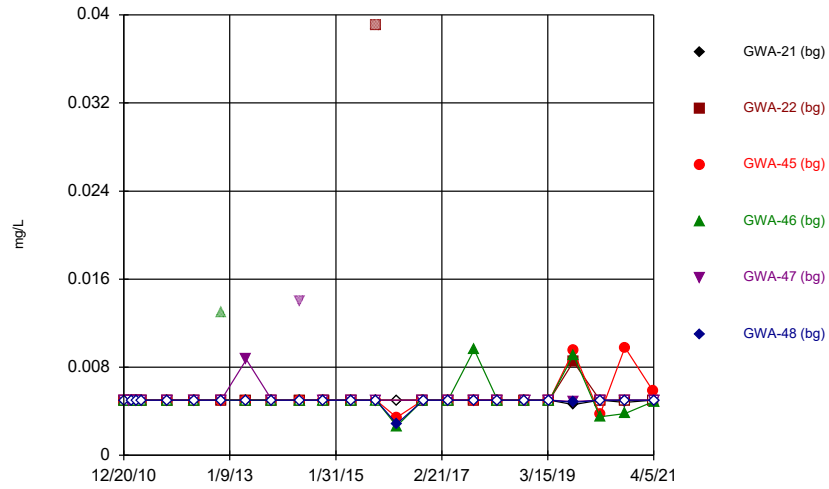
Constituent: Vanadium, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



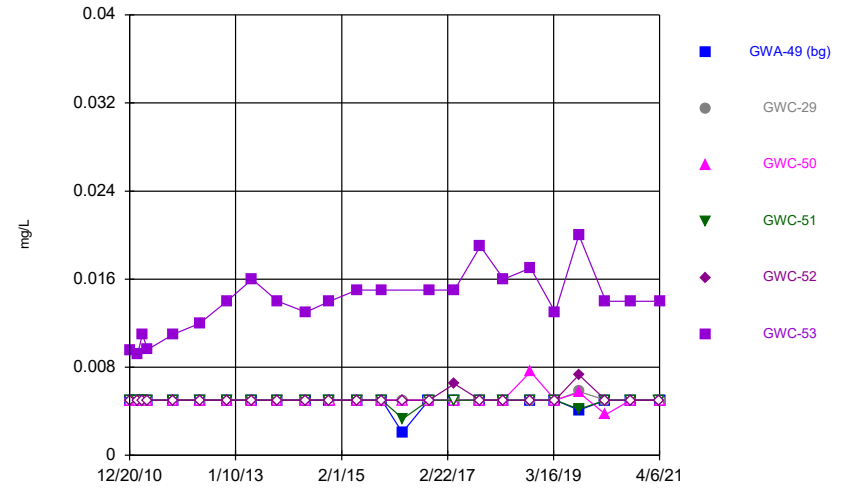
Constituent: Vanadium, Total Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Zinc, Total Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Zinc, Total Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



# Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.002	<0.002	<0.002	
12/21/2010						<0.002
12/22/2010	<0.002	<0.002				
2/1/2011				<0.002	<0.002	
2/14/2011	<0.002	<0.002	<0.002			<0.002
3/21/2011			<0.002	<0.002		
3/22/2011	<0.002	<0.002				
3/23/2011					<0.002	<0.002
4/26/2011	<0.002	<0.002	<0.002	<0.002		
4/27/2011					<0.002	<0.002
10/25/2011						<0.002
10/26/2011			<0.002		<0.002	
10/27/2011	<0.002	<0.002		<0.002		
5/1/2012	<0.002	<0.002	<0.002		<0.002	<0.002
5/2/2012				<0.002		
11/8/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/7/2013	<0.002	<0.002		<0.002	<0.002	<0.002
5/8/2013			<0.002			
11/4/2013	<0.002	<0.002	<0.002	<0.002		
11/5/2013					<0.002	<0.002
5/23/2014					<0.002	<0.002
5/24/2014	<0.002	<0.002	<0.002	<0.002		
11/7/2014			<0.002	<0.002	<0.002	<0.002
11/8/2014	<0.002	<0.002				
5/20/2015			<0.002	<0.002		
5/21/2015	<0.002	<0.002			<0.002	<0.002
11/12/2015					<0.002	<0.002
11/13/2015	<0.002	<0.002	<0.002	<0.002		
4/6/2016	<0.002					
4/7/2016			<0.002	<0.002		<0.002
4/8/2016		<0.002 (D)			<0.002 (D)	
6/14/2016	<0.002	<0.002	<0.002	0.0004 (J)	<0.002	
6/17/2016						<0.002
8/9/2016		<0.002	<0.002	<0.002	<0.002	
8/10/2016	0.001 (J)					<0.002
10/10/2016			<0.002	<0.002		
10/11/2016	<0.002	<0.002			<0.002	
10/14/2016						<0.002
12/2/2016	<0.002		<0.002	<0.002		
12/5/2016		<0.002			<0.002	
12/19/2016						<0.002
2/9/2017			<0.002			
2/10/2017	<0.002	<0.002		<0.002	<0.002	
2/13/2017						<0.002
4/7/2017		<0.002	<0.002	<0.002	<0.002	<0.002
4/10/2017	<0.002					
6/22/2017			<0.002		<0.002	<0.002
6/23/2017	<0.002			<0.002		
6/26/2017		<0.002				
10/9/2017	<0.002	<0.002				
10/10/2017			<0.002	<0.002	<0.002	<0.002
3/22/2018			<0.002 (D)		<0.002	

# Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.002		<0.002
3/26/2018	<0.002	<0.002 (D)				
10/3/2018	<0.002	<0.002	<0.002			<0.002
10/4/2018				<0.002		
10/5/2018					<0.002	
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002	<0.002		<0.002
3/20/2020					<0.002	
9/10/2020	<0.002	<0.002				
9/11/2020			<0.002	<0.002	<0.002	<0.002
4/2/2021	<0.002	<0.002	<0.002			
4/5/2021				<0.002	<0.002	<0.002

# Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.002
12/21/2010	<0.002				<0.002	
12/22/2010		<0.002	<0.002	<0.002		
2/14/2011	<0.002					<0.002
2/15/2011		<0.002	<0.002	<0.002	<0.002	
3/21/2011	<0.002				<0.002	<0.002
3/22/2011		<0.002	<0.002	<0.002		
4/26/2011	<0.002					
4/27/2011		<0.002	<0.002	<0.002		<0.002
4/28/2011					<0.002	
10/26/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/1/2012					<0.002	<0.002
5/2/2012	<0.002	<0.002	<0.002	<0.002		
11/8/2012	<0.002	<0.002	<0.002	<0.002		
11/9/2012					<0.002	<0.002
5/8/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/4/2013		<0.002	<0.002	<0.002	<0.002	<0.002
11/5/2013	<0.002					
5/23/2014	<0.002					
5/24/2014		<0.002	<0.002	<0.002	<0.002	<0.002
11/7/2014	<0.002	<0.002		<0.002	<0.002	<0.002
11/8/2014			<0.002			
5/20/2015						<0.002
5/21/2015	<0.002					
5/22/2015		<0.002	<0.002	<0.002	<0.002	
11/12/2015	<0.002					
11/13/2015		<0.002	<0.002	<0.002	<0.002	<0.002
4/7/2016	<0.002					
4/8/2016						<0.002 (D)
4/11/2016		<0.002	<0.002	<0.002	<0.002	
6/14/2016	<0.002					
6/15/2016		<0.002	<0.002			
6/16/2016				<0.002	<0.002	<0.002
8/9/2016	<0.002					
8/10/2016		<0.002	<0.002	<0.002		
8/11/2016					<0.002	<0.002
10/11/2016	<0.002	<0.002	<0.002			
10/13/2016				<0.002	<0.002	<0.002
12/2/2016	<0.002		<0.002			
12/5/2016		<0.002		<0.002	<0.002	
12/6/2016						<0.002
2/9/2017	<0.002					
2/13/2017		<0.002	<0.002	<0.002	<0.002	<0.002
4/7/2017	<0.002		<0.002			
4/10/2017		<0.002		<0.002		
4/11/2017					<0.002	<0.002
6/22/2017	<0.002		<0.002			
6/23/2017		<0.002		<0.002		
6/24/2017					<0.002	<0.002
10/10/2017	<0.002	<0.002	<0.002			
10/11/2017				<0.002	<0.002	<0.002
3/22/2018	<0.002					

# Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.002			
3/26/2018		<0.002		<0.002	<0.002	<0.002
10/3/2018	<0.002					
10/4/2018		<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2019	<0.002			<0.002		
3/28/2019		<0.002	<0.002		<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002			
9/11/2020				<0.002	<0.002	<0.002
4/5/2021				<0.002	<0.002	
4/6/2021	<0.002	<0.002	<0.002			<0.002

# Time Series

Constituent: Arsenic, Total (mg/L)    Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	<0.001	
2/14/2011	<0.001	<0.001	<0.001			<0.001
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			<0.001	<0.001
11/12/2015					<0.001	<0.001
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/17/2016						<0.001
8/9/2016		<0.001	<0.001	<0.001	<0.001	
8/10/2016	<0.001					<0.001
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
12/2/2016	<0.001		<0.001	<0.001		
12/5/2016		<0.001			<0.001	
12/19/2016						<0.001
2/9/2017			<0.001			
2/10/2017	<0.001	<0.001		<0.001	<0.001	
2/13/2017						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
6/22/2017			<0.001		<0.001	<0.001
6/23/2017	<0.001			<0.001		
6/26/2017		<0.001				
10/9/2017	<0.001	<0.001				
10/10/2017			0.0015	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	
3/23/2018				<0.001		<0.001

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/20/2020					<0.001	
9/10/2020	<0.001	<0.001				
9/11/2020			<0.001	<0.001	<0.001	<0.001
4/2/2021	<0.001	<0.001	<0.001			
4/5/2021				<0.001	<0.001	0.00031 (J)

# Time Series

Constituent: Arsenic, Total (mg/L)    Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					<0.001
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	<0.001
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		<0.001
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/4/2013		<0.001	<0.001	<0.001	<0.001	<0.001
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						<0.001
5/21/2015	<0.001					
5/22/2015		<0.001	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2016	<0.001					
4/11/2016		<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001					
6/15/2016		<0.001	<0.001			
6/16/2016				<0.001	<0.001	<0.001
8/9/2016	0.00053					
8/10/2016		<0.001	<0.001	<0.001		
8/11/2016					<0.001	<0.001
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
12/2/2016	<0.001		<0.001			
12/5/2016		<0.001		<0.001	<0.001	
12/6/2016						<0.001
2/9/2017	<0.001					
2/13/2017		<0.001	<0.001	<0.001	<0.001	0.0011
4/7/2017	<0.001		0.00052			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
6/22/2017	<0.001		<0.001			
6/23/2017		<0.001		<0.001		
6/24/2017					<0.001	<0.001
10/10/2017	<0.001	0.0013	<0.001			
10/11/2017				<0.001	<0.001	<0.001
3/22/2018	<0.001					
3/23/2018			<0.001			

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/26/2018		<0.001		<0.001	<0.001	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				<0.001	<0.001	<0.001
4/5/2021				<0.001	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001



# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.024 (J)	0.019 (J)	0.029 (J)	
12/21/2010						0.055 (O)
12/22/2010	0.026 (J)	0.028 (J)				
2/1/2011				0.017 (J)	0.038 (J)	
2/14/2011	0.022 (J)	0.025 (J)	0.023 (J)			0.05 (O)
3/21/2011			0.021 (J)	0.019 (J)		
3/22/2011	0.02 (J)	0.029 (J)				
3/23/2011					0.045 (J)	0.031 (J)
4/26/2011	0.019 (J)	0.031 (J)	0.019 (J)	0.02 (J)		
4/27/2011					0.043 (J)	0.015 (J)
10/25/2011						0.02
10/26/2011			0.023		0.023	
10/27/2011	0.021	0.027		0.018		
5/1/2012	0.017	0.022	0.014		0.021	0.017
5/2/2012				0.017		
11/8/2012	0.023	0.024	0.034	0.048 (O)	0.038	0.012
5/7/2013	0.021	0.027		0.02	0.042	0.022
5/8/2013			0.016			
11/4/2013	0.018	0.024	0.014	0.019		
11/5/2013					0.039	0.012
5/23/2014					0.088 (O)	0.02
5/24/2014	0.022	0.025	0.027	0.019		
11/7/2014			0.03	0.019	0.027	0.012
11/8/2014	0.02	0.023				
5/20/2015			0.029	0.018		
5/21/2015	0.022	0.023			0.036	0.011
11/12/2015					0.038	0.012
11/13/2015	0.025	0.023	0.041	0.02		
4/6/2016	0.0239					
4/7/2016			0.0381	0.0207		0.0116
4/8/2016		0.0244			0.0261	
6/14/2016	0.021	0.023	0.034	0.019	0.023	
6/17/2016						0.012
8/9/2016		0.026	0.032	0.017	0.026	
8/10/2016	0.019					0.012
10/10/2016			0.037	0.02		
10/11/2016	0.02	0.022			0.03	
10/14/2016						0.016
12/2/2016	0.022		0.038	0.02		
12/5/2016		0.025			0.026	
12/19/2016						0.012
2/9/2017			0.048			
2/10/2017	0.03	0.026		0.018	0.023	
2/13/2017						0.017
4/7/2017		0.021	0.045	0.02	0.024	0.011
4/10/2017	0.025					
6/22/2017			0.049		0.025	0.014
6/23/2017	0.026			0.021		
6/26/2017		0.028				
10/9/2017	0.025	0.021				
10/10/2017			0.044	0.018	0.022	0.012
3/22/2018			0.0495 (D)		0.024	

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				0.02		0.012
3/26/2018	0.026	0.022 (D)				
10/3/2018	0.00049 (O)	0.022	0.042			0.012
10/4/2018				0.019		
10/5/2018					0.026	
3/27/2019	0.024	0.022	0.057	0.021	0.026	0.013
9/12/2019	0.025	0.023	0.1 (L)	0.022	0.028	0.016
12/2/2019			0.11 (R,L)			
3/19/2020	0.027	0.024	0.11 (L)	0.023		0.02
3/20/2020					0.029	
9/10/2020	0.023	0.022				
9/11/2020			0.15 (L)	0.022	0.026	0.013
4/2/2021	0.02	0.023	0.11 (L)			
4/5/2021				0.022	0.028	0.015

# Time Series

Constituent: Barium, Total (mg/L)    Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.11
12/21/2010	0.021 (J)				0.01 (J)	
12/22/2010		0.016 (J)	0.011 (J)	0.011 (J)		
2/14/2011	0.021 (J)					<0.01
2/15/2011		0.016 (J)	0.013 (J)	0.013 (J)	0.0086 (J)	
3/21/2011	0.021 (J)				0.009 (J)	<0.01
3/22/2011		0.014 (J)	0.01 (J)	0.01 (J)		
4/26/2011	0.021 (J)					
4/27/2011		0.016 (J)	0.011 (J)	0.011 (J)		0.091 (J)
4/28/2011					0.012 (J)	
10/26/2011	0.019	0.015	0.013	0.0099 (J)	0.0093 (J)	0.1
5/1/2012					0.0048 (J)	0.095
5/2/2012	0.018	0.012	0.0084 (J)	0.0085 (J)		
11/8/2012	0.018	0.015	0.012	<0.01		
11/9/2012					0.0091 (J)	0.093
5/8/2013	0.017	0.014	0.013	0.0094 (J)	0.0096 (J)	0.077
11/4/2013		0.016	0.012	0.0094 (J)	0.012	0.083
11/5/2013	0.019					
5/23/2014	0.021					
5/24/2014		0.015	0.012	0.0094 (J)	0.011	0.07
11/7/2014	0.019	0.016		0.0094 (J)	0.011	0.065
11/8/2014			0.01			
5/20/2015						0.058
5/21/2015	0.02					
5/22/2015		0.015	0.011	0.0092 (J)	0.011	
11/12/2015	0.019					
11/13/2015		0.016	0.011	0.0095 (J)	0.011	0.058
4/7/2016	0.0201					
4/8/2016						0.0619
4/11/2016		0.0167	0.0132	0.0105	0.012	
6/14/2016	0.017					
6/15/2016		0.015	0.011			
6/16/2016				0.0089 (J)	0.011	0.052
8/9/2016	0.017					
8/10/2016		0.015	0.012	0.0082		
8/11/2016					0.012	0.044
10/11/2016	0.02	0.017	0.012			
10/13/2016				0.0088	0.012	0.049
12/2/2016	0.02		0.012			
12/5/2016		0.017		0.01	0.013	
12/6/2016						0.047
2/9/2017	0.018					
2/13/2017		0.016	0.013	0.0097	0.012	0.05
4/7/2017	0.018		0.01			
4/10/2017		0.015		0.0082		
4/11/2017					0.012	0.053
6/22/2017	0.02		0.012			
6/23/2017		0.017		0.01		
6/24/2017					0.013	0.054
10/10/2017	0.02	0.016	0.011			
10/11/2017				0.0092	0.012	0.05
3/22/2018	0.018					

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			0.011			
3/26/2018		0.015		0.0094	0.013	0.05
10/3/2018	0.018					
10/4/2018		0.018	0.012	0.0093	0.013	0.042
3/27/2019	0.019			0.011		
3/28/2019		0.017	0.012		0.014	0.045
9/12/2019	0.022	0.019	0.013	0.011	0.017	0.043
3/19/2020	0.02	0.019	0.013	0.011	0.018	0.047
9/10/2020	0.02	0.02	0.013			
9/11/2020				0.01	0.017	0.044
4/5/2021				0.01	0.019	
4/6/2021	0.02	0.018	0.013			0.041

# Time Series

Constituent: Beryllium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.0025	<0.0025	<0.0025	
12/21/2010						<0.0025
12/22/2010	<0.0025	<0.0025				
2/1/2011				<0.0025	<0.0025	
2/14/2011	<0.0025	<0.0025	<0.0025			<0.0025
3/21/2011			<0.0025	<0.0025		
3/22/2011	<0.0025	<0.0025				
3/23/2011					<0.0025	<0.0025
4/26/2011	<0.0025	<0.0025	<0.0025	<0.0025		
4/27/2011					<0.0025	<0.0025
10/25/2011						<0.0025
10/26/2011			<0.0025		<0.0025	
10/27/2011	<0.0025	<0.0025		<0.0025		
5/1/2012	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
5/2/2012				<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
5/8/2013			<0.0025			
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013					<0.0025	<0.0025
5/23/2014					<0.0025	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025	<0.0025				
5/20/2015			<0.0025	<0.0025		
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/6/2016	<0.0025					
4/7/2016			<0.0025	<0.0025		<0.0025
4/8/2016		<0.0025			<0.0025	
6/14/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6/17/2016						<0.0025
8/9/2016		<0.0025	<0.0025	<0.0025	<0.0025	
8/10/2016	<0.0025					<0.0025
10/10/2016			<0.0025	<0.0025		
10/11/2016	<0.0025	<0.0025			<0.0025	
10/14/2016						<0.0025
12/2/2016	<0.0025		<0.0025	<0.0025		
12/5/2016		<0.0025			<0.0025	
12/19/2016						<0.0025
2/9/2017			<0.0025			
2/10/2017	<0.0025	<0.0025		<0.0025	<0.0025	
2/13/2017						<0.0025
4/7/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025					
6/22/2017			<0.0025		<0.0025	<0.0025
6/23/2017	<0.0025			<0.0025		
6/26/2017		<0.0025				
10/9/2017	<0.0025	<0.0025				
10/10/2017			<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			<0.0025 (D)		<0.0025	

# Time Series

Constituent: Beryllium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0025		<0.0025
3/26/2018	<0.0025	<0.0025 (D)				
10/3/2018	<0.0025	<0.0025	<0.0025			<0.0025
10/4/2018				<0.0025		
10/5/2018					<0.0025	
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
3/20/2020					<0.0025	
9/10/2020	<0.0025	<0.0025				
9/11/2020			<0.0025	<0.0025	<0.0025	<0.0025
4/2/2021	<0.0025	0.00019 (J)	<0.0025			
4/5/2021				<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Beryllium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.0025
12/21/2010	<0.0025				<0.0025	
12/22/2010		<0.0025	<0.0025	<0.0025		
2/14/2011	<0.0025					<0.0025
2/15/2011		<0.0025	<0.0025	<0.0025	<0.0025	
3/21/2011	<0.0025				<0.0025	<0.0025
3/22/2011		<0.0025	<0.0025	<0.0025		
4/26/2011	<0.0025					
4/27/2011		<0.0025	<0.0025	<0.0025		<0.0025
4/28/2011					<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/1/2012					<0.0025	<0.0025
5/2/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/9/2012					<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/4/2013		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/5/2013	<0.0025					
5/23/2014	<0.0025					
5/24/2014		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/7/2014	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
11/8/2014			<0.0025			
5/20/2015						<0.0025
5/21/2015	<0.0025					
5/22/2015		<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015	<0.0025					
11/13/2015		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2016	<0.0025					
4/8/2016						<0.0025
4/11/2016		<0.0025	<0.0025	<0.0025	<0.0025	
6/14/2016	<0.0025					
6/15/2016		<0.0025	<0.0025			
6/16/2016				2E-05 (J)	<0.0025	<0.0025
8/9/2016	<0.0025					
8/10/2016		<0.0025	<0.0025	<0.0025		
8/11/2016					<0.0025	<0.0025
10/11/2016	<0.0025	<0.0025	<0.0025			
10/13/2016				<0.0025	<0.0025	<0.0025
12/2/2016	<0.0025		<0.0025			
12/5/2016		<0.0025		<0.0025	<0.0025	
12/6/2016						<0.0025
2/9/2017	<0.0025					
2/13/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2017	<0.0025		<0.0025			
4/10/2017		<0.0025		<0.0025		
4/11/2017					<0.0025	<0.0025
6/22/2017	<0.0025		<0.0025			
6/23/2017		<0.0025		<0.0025		
6/24/2017					<0.0025	<0.0025
10/10/2017	<0.0025	<0.0025	<0.0025			
10/11/2017				<0.0025	<0.0025	<0.0025
3/22/2018	<0.0025					

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0025			
3/26/2018		<0.0025		<0.0025	<0.0025	<0.0025
10/3/2018	<0.0025					
10/4/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025			<0.0025		
3/28/2019		<0.0025	<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2020	<0.0025	<0.0025	<0.0025			
9/11/2020				<0.0025	<0.0025	<0.0025
4/5/2021				<0.0025	<0.0025	
4/6/2021	<0.0025	<0.0025	<0.0025			<0.0025



# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	<0.08					
4/7/2016			0.0657 (J)	<0.08		<0.08
4/8/2016		<0.08			<0.08	
6/14/2016	0.0012 (J)	<0.08	0.12	<0.08	0.00079 (J)	
6/17/2016						<0.08
8/9/2016		<0.08	0.22	<0.08	<0.08	
8/10/2016	<0.08					<0.08
10/10/2016			0.52	<0.08		
10/11/2016	<0.08	<0.08			<0.08	
10/14/2016						<0.08
12/2/2016	<0.08		0.65	<0.08		
12/5/2016		<0.08			<0.08	
12/19/2016						<0.08
2/9/2017			0.57			
2/10/2017	<0.08	<0.08		<0.08	<0.08	
2/13/2017						<0.08
4/7/2017		<0.08	0.5	<0.08	<0.08	<0.08
4/10/2017	<0.08					
6/22/2017			0.48		<0.08	<0.08
6/23/2017	<0.08			<0.08		
6/26/2017		<0.08				
10/9/2017	<0.08	<0.08				
10/10/2017			0.79	<0.08	<0.08	<0.08
3/22/2018			0.66		<0.08	
3/23/2018				<0.08		<0.08
3/26/2018	<0.08	<0.08 (D)				
10/3/2018	<0.08	<0.08	0.89			<0.08
10/4/2018				<0.08		
10/5/2018					<0.08	
3/27/2019	<0.08	<0.08	0.74	<0.08	<0.08	<0.08
9/12/2019	0.053	<0.08	0.91	<0.08	<0.08	<0.08
3/19/2020	<0.08	<0.08	0.86	<0.08		<0.08
3/20/2020					<0.08	
9/10/2020	<0.08	<0.08				
9/11/2020			1	<0.08	<0.08	<0.08
4/2/2021	<0.08	<0.08	1.1			
4/5/2021				<0.08	<0.08	0.044 (J)

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	<0.08					
4/8/2016						0.824
4/11/2016		<0.08	<0.08	<0.08	<0.08	
6/14/2016	<0.08					
6/15/2016		0.0021 (J)	<0.08			
6/16/2016				<0.08	<0.08	0.8 (J)
8/9/2016	<0.08					
8/10/2016		<0.08	<0.08	<0.08		
8/11/2016					<0.08	0.97
10/11/2016	<0.08	<0.08	<0.08			
10/13/2016				<0.08	<0.08	0.94
12/2/2016	<0.08		<0.08			
12/5/2016		<0.08		<0.08	<0.08	
12/6/2016						1
2/9/2017	<0.08					
2/13/2017		<0.08	<0.08	<0.08	<0.08	0.97
4/7/2017	<0.08		<0.08			
4/10/2017		<0.08		<0.08		
4/11/2017					<0.08	0.88
6/22/2017	<0.08		<0.08			
6/23/2017		<0.08		<0.08		
6/24/2017					<0.08	0.87
10/10/2017	<0.08	<0.08	<0.08			
10/11/2017				<0.08	<0.08	1.1
3/22/2018	<0.08					
3/23/2018			<0.08			
3/26/2018		<0.08		<0.08	<0.08	0.91
10/3/2018	<0.08					
10/4/2018		<0.08	<0.08	<0.08	<0.08	0.92
3/27/2019	<0.08			<0.08		
3/28/2019		<0.08	<0.08		<0.08	0.97
9/12/2019	<0.08	<0.08	<0.08	<0.08	<0.08	0.94
3/19/2020	<0.08	<0.08	<0.08	<0.08	<0.08	1
9/10/2020	<0.08	<0.08	<0.08			
9/11/2020				<0.08	<0.08	0.97
4/5/2021				<0.08	<0.08	
4/6/2021	<0.08	<0.08	<0.08			0.97

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.0025	<0.0025	<0.0025	
12/21/2010						<0.0025
12/22/2010	<0.0025	<0.0025				
2/1/2011				<0.0025	<0.0025	
2/14/2011	<0.0025	<0.0025	<0.0025			<0.0025
3/21/2011			<0.0025	<0.0025		
3/22/2011	<0.0025	<0.0025				
3/23/2011					<0.0025	<0.0025
4/26/2011	<0.0025	<0.0025	<0.0025	<0.0025		
4/27/2011					<0.0025	<0.0025
10/25/2011						<0.0025
10/26/2011			<0.0025		<0.0025	
10/27/2011	<0.0025	<0.0025		<0.0025		
5/1/2012	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
5/2/2012				<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
5/8/2013			<0.0025			
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013					<0.0025	<0.0025
5/23/2014					<0.0025	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025	<0.0025				
5/20/2015			<0.0025	<0.0025		
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/6/2016	<0.0025					
4/7/2016			<0.0025	<0.0025		<0.0025
4/8/2016		<0.0025			<0.0025	
6/14/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6/17/2016						<0.0025
8/9/2016		<0.0025	<0.0025	<0.0025	<0.0025	
8/10/2016	<0.0025					<0.0025
10/10/2016			<0.0025	<0.0025		
10/11/2016	<0.0025	<0.0025			<0.0025	
10/14/2016						<0.0025
12/2/2016	<0.0025		<0.0025	<0.0025		
12/5/2016		<0.0025			<0.0025	
12/19/2016						<0.0025
2/9/2017			<0.0025			
2/10/2017	<0.0025	<0.0025		<0.0025	<0.0025	
2/13/2017						<0.0025
4/7/2017		<0.0025	<0.0025	<0.0025	0.0016	<0.0025
4/10/2017	<0.0025					
6/22/2017			<0.0025		<0.0025	<0.0025
6/23/2017	<0.0025			<0.0025		
6/26/2017		<0.0025				
10/9/2017	<0.0025	<0.0025				
10/10/2017			<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			<0.0025 (D)		<0.0025	

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0025		<0.0025
3/26/2018	<0.0025	<0.0025 (D)				
10/3/2018	<0.0025	<0.0025	<0.0025			<0.0025
10/4/2018				<0.0025		
10/5/2018					<0.0025	
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
3/20/2020					<0.0025	
9/10/2020	<0.0025	<0.0025				
9/11/2020			<0.0025	<0.0025	<0.0025	<0.0025
4/2/2021	<0.0025	<0.0025	<0.0025			
4/5/2021				<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.0025
12/21/2010	<0.0025				<0.0025	
12/22/2010		<0.0025	<0.0025	<0.0025		
2/14/2011	<0.0025					<0.0025
2/15/2011		<0.0025	<0.0025	<0.0025	<0.0025	
3/21/2011	<0.0025				<0.0025	<0.0025
3/22/2011		<0.0025	<0.0025	<0.0025		
4/26/2011	<0.0025					
4/27/2011		<0.0025	<0.0025	<0.0025		<0.0025
4/28/2011					<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/1/2012					<0.0025	<0.0025
5/2/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/9/2012					<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/4/2013		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/5/2013	<0.0025					
5/23/2014	<0.0025					
5/24/2014		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/7/2014	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
11/8/2014			<0.0025			
5/20/2015						<0.0025
5/21/2015	<0.0025					
5/22/2015		<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015	<0.0025					
11/13/2015		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2016	<0.0025					
4/8/2016						<0.0025
4/11/2016		<0.0025	<0.0025	<0.0025	<0.0025	
6/14/2016	<0.0025					
6/15/2016		<0.0025	7.4E-05 (J)			
6/16/2016				<0.0025	<0.0025	<0.0025
8/9/2016	<0.0025					
8/10/2016		<0.0025	<0.0025	<0.0025		
8/11/2016					<0.0025	<0.0025
10/11/2016	<0.0025	<0.0025	<0.0025			
10/13/2016				<0.0025	<0.0025	<0.0025
12/2/2016	<0.0025		<0.0025			
12/5/2016		<0.0025		<0.0025	<0.0025	
12/6/2016						<0.0025
2/9/2017	<0.0025					
2/13/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2017	<0.0025		<0.0025			
4/10/2017		<0.0025		<0.0025		
4/11/2017					<0.0025	<0.0025
6/22/2017	<0.0025		<0.0025			
6/23/2017		<0.0025		<0.0025		
6/24/2017					<0.0025	<0.0025
10/10/2017	<0.0025	<0.0025	<0.0025			
10/11/2017				<0.0025	<0.0025	<0.0025
3/22/2018	<0.0025					

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0025			
3/26/2018		<0.0025		<0.0025	<0.0025	<0.0025
10/3/2018	<0.0025					
10/4/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025			<0.0025		
3/28/2019		<0.0025	<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2020	<0.0025	<0.0025	<0.0025			
9/11/2020				<0.0025	<0.0025	<0.0025
4/5/2021				<0.0025	<0.0025	
4/6/2021	<0.0025	<0.0025	<0.0025			<0.0025

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	9.27					
4/7/2016			38.4	6.57		12.6
4/8/2016		8.6			10.7	
6/14/2016	8.2	6.8	32.9	5.5	11.3	
6/17/2016						12.4
8/9/2016		6.2	29	4.6	9.6	
8/10/2016	6.9					11
10/10/2016			33	5.3		
10/11/2016	7.6	6.2			11	
10/14/2016						13
12/2/2016	7.4		33	5.1		
12/5/2016		5.5			10	
12/19/2016						11
2/9/2017			42			
2/10/2017	11	7.8		5.8	11	
2/13/2017						13
4/7/2017		7.3	35	5.2	10	12
4/10/2017	9.7					
6/22/2017			38		11	13
6/23/2017	9.2			5.7		
6/26/2017		6.8				
10/9/2017	9.4	5.8				
10/10/2017			40	5.8	11	13
3/22/2018			39 (D)		11	
3/23/2018				6.6		13
3/26/2018	9.3	8.7				
10/3/2018	7.8	6.1	41			12
10/4/2018				5.4		
10/5/2018					11	
3/27/2019	9.5	7.1	39	6.1	11	13
9/12/2019	8.8	6.1	36	5.7	12	13
3/19/2020	11	9.7	45	6.7		14
3/20/2020					12	
9/10/2020	8.2	5.9				
9/11/2020			30	5.5	11	12
4/2/2021	9.2	9	29			
4/5/2021				7	13	13

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	15.3					
4/8/2016						17.5
4/11/2016		9.7	7.04	6.9	12.8	
6/14/2016	14.2					
6/15/2016		9.5	7.4			
6/16/2016				7.6	14.3	18.4
8/9/2016	13					
8/10/2016		8.5	6.7	5.7		
8/11/2016					11	13
10/11/2016	14	9.3	6.9			
10/13/2016				6.7	13	15
12/2/2016	13		6.5			
12/5/2016		9		6.4	12	
12/6/2016						15
2/9/2017	14					
2/13/2017		9.2	7.9	6.2	13	16
4/7/2017	14		6.5			
4/10/2017		9.2		6.2		
4/11/2017					13	17
6/22/2017	14		6.8			
6/23/2017		9.8		6.6		
6/24/2017					13	17
10/10/2017	15	10	7.3			
10/11/2017				6.9	15	19
3/22/2018	14					
3/23/2018			7.5			
3/26/2018		11		7	15	19
10/3/2018	14					
10/4/2018		10	6.7	6.4	14	17
3/27/2019	15			7		
3/28/2019		11	7.2		15	18
9/12/2019	14	12	7.5	7.1	17	18
3/19/2020	15	16	7.9	7.1	19	19
9/10/2020	14	15	7.5			
9/11/2020				7	18	19
4/5/2021				8	21	
4/6/2021	16	17	7.7			19



# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	3.034					
4/7/2016			8.05	2.914		1.842
4/8/2016		2.1			1.57	
6/14/2016	3.1	4.2	9.3	3.1	1.7	
6/17/2016						1.9
8/9/2016		5	10	3.2	1.5	
8/10/2016	2.7					1.8
10/10/2016			10	3		
10/11/2016	2.7	3.8			1.6	
10/14/2016						1.7
12/2/2016	2.5		10	3		
12/5/2016		3.6			1.5	
12/19/2016						2.7 (O)
2/9/2017			9.4			
2/10/2017	3.4	2.2		2.7	1.5	
2/13/2017						1.8
4/7/2017		2.2	9.9	2.9	1.4	1.7
4/10/2017	3.6					
6/22/2017			9.7		1.4	1.7
6/23/2017	3.2			3.3		
6/26/2017		3.4				
10/9/2017	3.5	3.4				
10/10/2017			9.8	3.5	1.4	1.6
3/22/2018			9.7 (D)		1.3	
3/23/2018				3.6		1.6
3/26/2018	3.8	1.9 (D)				
10/3/2018	4	2.9	10			1.6
10/4/2018				3.9		
10/5/2018					1.4	
3/27/2019	2.9	2	9.6	3.7	1.2	1.5
9/12/2019	3.4	2.5	10	4.3	1.4	1.7
3/19/2020	3.9	2.2	9.9	4.5		1.9
3/20/2020					1.7	
9/10/2020	3.7	2.5				
9/11/2020			12	4.7	1.6	1.8
4/2/2021	3.7	1.8	13			
4/5/2021				5.3	1.8	2

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	2.285					
4/8/2016						10.065
4/11/2016		1.57 (O)	2.09	2.09 (O)	<0.25 (O)	
6/14/2016	2.3					
6/15/2016		3.9	2.1			
6/16/2016				6.3	7.4	9.4
8/9/2016	2.3					
8/10/2016		4	2	6.9		
8/11/2016					8.3	10
10/11/2016	2.1	3.7	1.9			
10/13/2016				6.5	7.8	9.9
12/2/2016	2		1.9			
12/5/2016		3.6		6.6	8.1	
12/6/2016						10
2/9/2017	2.1					
2/13/2017		3.4	1.9	6.7	8	10
4/7/2017	2		2			
4/10/2017		3.5		6.7		
4/11/2017					7.6	10
6/22/2017	2		1.9			
6/23/2017		3.4		6.6		
6/24/2017					8.3	10
10/10/2017	2	3.3	1.9			
10/11/2017				6.5	7.9	10
3/22/2018	1.9					
3/23/2018			1.9			
3/26/2018		3.1		6.6	7.8	11
10/3/2018	2					
10/4/2018		3.1	1.9	6.9	8.1	12
3/27/2019	1.9			7		
3/28/2019		2.8	1.8		7.5	12
9/12/2019	1.9	3	1.8	6.8	7.7	11
3/19/2020	2.2	3.4	2.1	7.3	8.2	13
9/10/2020	2.1	3.3	2.1			
9/11/2020				7.7	7.9	12
4/5/2021				7.8	8.2	
4/6/2021	2.1	3.3	1.9			13

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.002	0.0036 (J)	0.0064	
12/21/2010						0.0094
12/22/2010	0.0052	0.0029 (J)				
2/1/2011				0.0037 (J)	0.015	
2/14/2011	0.0057	0.0027 (J)	<0.002			0.028
3/21/2011			<0.002	0.004 (J)		
3/22/2011	0.0055	0.0049 (J)				
3/23/2011					0.0084	0.0042 (J)
4/26/2011	0.0069	0.0048 (J)	<0.002	0.0037 (J)		
4/27/2011					0.011	<0.002
10/25/2011						0.0062
10/26/2011			<0.002		0.0061	
10/27/2011	0.011	0.0023 (J)		0.0047 (J)		
5/1/2012	0.0056	0.0051	<0.002		0.0072	0.011
5/2/2012				0.005 (J)		
11/8/2012	<0.002	0.0034 (J)	<0.002	0.0081	0.015	0.0089
5/7/2013	0.0036 (J)	0.0078		0.0035 (J)	0.044	0.019
5/8/2013			<0.002			
11/4/2013	0.0032 (J)	0.0055 (J)	<0.002	0.0056 (J)		
11/5/2013					0.023	0.0057 (J)
5/23/2014					0.022	0.0084 (J)
5/24/2014	0.0043 (J)	0.0075 (J)	<0.002	0.005 (J)		
11/7/2014			<0.002	0.004 (J)	0.013	0.011
11/8/2014	<0.002	0.0048 (J)				
5/20/2015			0.0025 (O)	0.0062 (J)		
5/21/2015	0.002 (J)	0.0082 (J)			0.029	0.013
11/12/2015					0.045	0.015
11/13/2015	<0.002	0.0079 (J)	0.0042 (O)	0.0067 (J)		
4/6/2016	0.00278 (J)					
4/7/2016			<0.002	0.00467 (J)		0.00498 (J)
4/8/2016		<0.002			<0.002	
6/14/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
6/17/2016						<0.002
8/9/2016		0.0079	<0.002	0.0041	0.008	
8/10/2016	0.0019 (J)					0.0047
10/10/2016			<0.002	0.0041		
10/11/2016	0.0024 (J)	0.0069			0.0079	
10/14/2016						0.0056
12/2/2016	0.0023 (J)		<0.002	0.0039		
12/5/2016		0.0077			0.0057	
12/19/2016						0.0039
2/9/2017			<0.002			
2/10/2017	0.0021 (J)	0.0098		0.0044	0.0062	
2/13/2017						0.0059
4/7/2017		0.0081	<0.002	0.0046	0.0072	0.0051
4/10/2017	0.002 (J)					
6/22/2017			<0.002		0.0074	0.005
6/23/2017	0.0018 (J)			0.005		
6/26/2017		0.0084				
10/9/2017	0.0016 (J)	0.0082				
10/10/2017			<0.002	0.0088	0.0072	0.005
3/22/2018			<0.002 (D)		0.0074	

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				0.0045		0.005
3/26/2018	0.0011 (J)	0.0088				
10/3/2018	0.0014 (J)	0.0086	<0.002			0.0051
10/4/2018				0.0047		
10/5/2018					0.0083	
3/27/2019	0.003	0.0078	<0.002	0.0048	0.0081	0.0051
9/12/2019	0.0047	0.0092	<0.002	0.0051	0.0088	0.0085
3/19/2020	0.0026	0.011	<0.002	0.0043		0.0063
3/20/2020					0.0085	
9/10/2020	0.0019 (J)	0.0077				
9/11/2020			<0.002	0.0042	0.0081	0.0053
4/2/2021	0.0029	0.01	<0.002			
4/5/2021				0.0041	0.0084	0.0061

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.002
12/21/2010	0.0073				0.01	
12/22/2010		0.0026 (J)	0.0034 (J)	0.0036 (J)		
2/14/2011	0.0051					<0.002
2/15/2011		<0.002	0.0034 (J)	0.0038 (J)	0.0087	
3/21/2011	0.0067				0.0083	<0.002
3/22/2011		<0.002	0.0037 (J)	0.0022 (J)		
4/26/2011	0.0065					
4/27/2011		<0.002	0.0038 (J)	0.0042 (J)		<0.002
4/28/2011					0.0076	
10/26/2011	0.0068	<0.002	0.0039 (J)	0.0042 (J)	0.0078	0.0033 (J)
5/1/2012					0.0049 (J)	0.0025 (J)
5/2/2012	0.011	<0.002	0.0044 (J)	0.0037 (J)		
11/8/2012	0.0052	<0.002	0.0026 (J)	<0.002		
11/9/2012					0.0066	<0.002
5/8/2013	0.0059	<0.002	0.0038 (J)	0.0032 (J)	0.0082	<0.002
11/4/2013		0.0027 (J)	0.0063 (J)	0.0063 (J)	0.013	0.0035 (J)
11/5/2013	0.0044 (J)					
5/23/2014	0.0087 (J)					
5/24/2014		0.0027 (J)	0.0061 (J)	0.003 (J)	0.012	0.0027 (J)
11/7/2014	0.0048 (J)	<0.002		<0.002	0.0084 (J)	<0.002
11/8/2014			<0.002			
5/20/2015						0.0021 (J)
5/21/2015	0.006 (J)					
5/22/2015		0.0034 (J)	0.0037 (J)	0.0023 (J)	0.0096 (J)	
11/12/2015	0.007 (J)					
11/13/2015		0.0038 (J)	0.0055 (J)	0.0042 (J)	0.011	0.0041 (J)
4/7/2016	0.0056 (J)					
4/8/2016						<0.002
4/11/2016		<0.002	0.00479 (J)	0.00309 (J)	0.0101	
6/14/2016	<0.002					
6/15/2016		<0.002	<0.002			
6/16/2016				<0.002	<0.002	<0.002
8/9/2016	0.0053					
8/10/2016		0.0014 (J)	0.0047	0.0023 (J)		
8/11/2016					0.0097	0.0013 (J)
10/11/2016	0.0058	0.0017 (J)	0.0048			
10/13/2016				0.0028	0.012	0.0018 (J)
12/2/2016	0.0071		0.0043			
12/5/2016		0.0014 (J)		0.0032	0.012	
12/6/2016						0.0014 (J)
2/9/2017	0.0051					
2/13/2017		0.0016 (J)	0.0047	0.0021 (J)	0.011	0.0021 (J)
4/7/2017	0.006		0.0044			
4/10/2017		0.0014 (J)		0.0022 (J)		
4/11/2017					0.011	0.0012 (J)
6/22/2017	0.0056		0.0045			
6/23/2017		0.0014 (J)		0.0025		
6/24/2017					0.0095	0.0017 (J)
10/10/2017	0.0073	0.0039	0.005			
10/11/2017				0.0027	0.0096	0.0013 (J)
3/22/2018	0.0051					

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			0.0042			
3/26/2018		0.0013 (J)		0.0028	0.012	0.0014 (J)
10/3/2018	0.0052					
10/4/2018		0.0014 (J)	0.005	0.0041	0.016	<0.002
3/27/2019	0.0056			0.0044		
3/28/2019		0.0012 (J)	0.0043		0.019	<0.002
9/12/2019	0.0075	0.0021 (J)	0.006	0.0043	0.027	0.002 (J)
3/19/2020	0.0055	<0.002	0.0047	0.0032	0.029	<0.002
9/10/2020	0.0063	<0.002	0.0047			
9/11/2020				0.0041	0.028	0.0023
4/5/2021				0.0054	0.031	
4/6/2021	0.0055	<0.002	0.0044			<0.002

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.012	<0.0025	0.0033 (O)	
12/21/2010						<0.0025
12/22/2010	<0.0025	0.0038 (O)				
2/1/2011				<0.0025	<0.0025	
2/14/2011	<0.0025	<0.0025	0.0093 (J)			<0.0025
3/21/2011			0.0076 (J)	<0.0025		
3/22/2011	<0.0025	<0.0025				
3/23/2011					<0.0025	<0.0025
4/26/2011	<0.0025	<0.0025	0.0058 (J)	<0.0025		
4/27/2011					<0.0025	<0.0025
10/25/2011						<0.0025
10/26/2011			0.005 (J)		<0.0025	
10/27/2011	<0.0025	<0.0025		<0.0025		
5/1/2012	<0.0025	<0.0025	0.0032 (J)		<0.0025	0.0039 (O)
5/2/2012				<0.0025		
11/8/2012	<0.0025	<0.0025	0.0034 (J)	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
5/8/2013			<0.0025			
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013					<0.0025	<0.0025
5/23/2014					0.0048 (O)	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025	<0.0025				
5/20/2015			<0.0025	<0.0025		
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/6/2016	<0.0025					
4/7/2016			<0.0025	<0.0025		<0.0025
4/8/2016		<0.0025			<0.0025	
6/14/2016	6.6E-05 (J)	0.00042 (J)	0.0031 (J)	3.8E-05 (J)	4.2E-05 (J)	
6/17/2016						0.00017 (J)
8/9/2016		0.00068 (J)	0.0023 (J)	<0.0025	<0.0025	
8/10/2016	<0.0025					<0.0025
10/10/2016			0.0024 (J)	<0.0025		
10/11/2016	0.00047 (J)	<0.0025			0.00052 (J)	
10/14/2016						<0.0025
12/2/2016	0.0014 (J)		0.0021 (J)	<0.0025		
12/5/2016		0.0012 (J)			<0.0025	
12/19/2016						<0.0025
2/9/2017			0.00096 (J)			
2/10/2017	0.00052 (J)	0.0013 (J)		<0.0025	<0.0025	
2/13/2017						<0.0025
4/7/2017		<0.0025	0.0034	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025					
6/22/2017			0.0029		<0.0025	<0.0025
6/23/2017	<0.0025			<0.0025		
6/26/2017		0.00073 (J)				
10/9/2017	0.00053 (J)	<0.0025				
10/10/2017			0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			0.0015 (JD)		<0.0025	

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0025		<0.0025
3/26/2018	0.00088 (J)	<0.0025 (D)				
10/3/2018	0.0014 (J)	<0.0025	0.0018 (J)			<0.0025
10/4/2018				<0.0025		
10/5/2018					<0.0025	
3/27/2019	<0.0025	<0.0025	0.00083 (J)	<0.0025	<0.0025	<0.0025
9/12/2019	0.0004 (J)	<0.0025	0.0018 (J)	9.5E-05 (J)	0.00011 (J)	<0.0025
3/19/2020	0.00015 (J)	<0.0025	0.0005 (J)	0.00025 (J)		0.00029 (J)
3/20/2020					<0.0025	
9/10/2020	0.00019 (J)	0.00014 (J)				
9/11/2020			0.0035	<0.0025	<0.0025	<0.0025
4/2/2021	0.00016 (J)	0.00026 (J)	0.002 (J)			
4/5/2021				<0.0025	0.00017 (J)	0.00019 (J)



# Time Series

Constituent: Cobalt, Total (mg/L)    Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.0051 (J)
12/21/2010	<0.0025				<0.0025	
12/22/2010		<0.0025	<0.0025	<0.0025		
2/14/2011	<0.0025					0.0038 (J)
2/15/2011		<0.0025	<0.0025	<0.0025	<0.0025	
3/21/2011	<0.0025				<0.0025	0.0037 (J)
3/22/2011		<0.0025	<0.0025	<0.0025		
4/26/2011	<0.0025					
4/27/2011		<0.0025	<0.0025	<0.0025		<0.0025
4/28/2011					<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0046 (J)
5/1/2012					<0.0025	0.0043 (J)
5/2/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/9/2012					<0.0025	0.007 (J)
5/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0047 (J)
11/4/2013		<0.0025	<0.0025	<0.0025	<0.0025	0.0096 (J)
11/5/2013	<0.0025					
5/23/2014	<0.0025					
5/24/2014		<0.0025	<0.0025	<0.0025	<0.0025	0.0097 (J)
11/7/2014	<0.0025	<0.0025		<0.0025	<0.0025	0.012
11/8/2014			<0.0025			
5/20/2015						0.011
5/21/2015	<0.0025					
5/22/2015		<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015	<0.0025					
11/13/2015		<0.0025	<0.0025	<0.0025	<0.0025	0.013
4/7/2016	<0.0025					
4/8/2016						<0.0025
4/11/2016		<0.0025	<0.0025	<0.0025	<0.0025	
6/14/2016	<0.0025					
6/15/2016		<0.0025	<0.0025			
6/16/2016				<0.0025	<0.0025	0.0062 (J)
8/9/2016	<0.0025					
8/10/2016		<0.0025	<0.0025	<0.0025		
8/11/2016					<0.0025	0.0092
10/11/2016	<0.0025	<0.0025	<0.0025			
10/13/2016				<0.0025	<0.0025	0.0045
12/2/2016	0.0004 (J)		<0.0025			
12/5/2016		<0.0025		<0.0025	<0.0025	
12/6/2016						0.0043
2/9/2017	<0.0025					
2/13/2017		<0.0025	<0.0025	<0.0025	<0.0025	0.011
4/7/2017	<0.0025		<0.0025			
4/10/2017		<0.0025		<0.0025		
4/11/2017					<0.0025	0.012
6/22/2017	<0.0025		<0.0025			
6/23/2017		<0.0025		<0.0025		
6/24/2017					<0.0025	0.011
10/10/2017	<0.0025	<0.0025	<0.0025			
10/11/2017				<0.0025	<0.0025	0.016
3/22/2018	<0.0025					

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0025			
3/26/2018		<0.0025		<0.0025	<0.0025	0.0069
10/3/2018	<0.0025					
10/4/2018		<0.0025	<0.0025	<0.0025	<0.0025	0.016
3/27/2019	<0.0025			<0.0025		
3/28/2019		<0.0025	<0.0025		<0.0025	0.011
9/12/2019	0.00017 (J)	<0.0025	<0.0025	0.00012 (J)	<0.0025	0.011
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0083
9/10/2020	0.0002 (J)	<0.0025	<0.0025			
9/11/2020				<0.0025	<0.0025	0.002 (J)
4/5/2021				0.0002 (J)	<0.0025	
4/6/2021	<0.0025	<0.0025	<0.0025			0.0062

# Time Series

Constituent: Copper, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.0021 (J)	<0.002	0.0065 (J)	
12/21/2010						0.0084 (J)
12/22/2010	<0.002	<0.002				
2/1/2011				<0.002	0.018	
2/14/2011	<0.002	<0.002	<0.002			0.013 (O)
3/21/2011			<0.002	<0.002		
3/22/2011	<0.002	<0.002				
3/23/2011					0.022	0.0061 (J)
4/26/2011	<0.002	<0.002	<0.002	<0.002		
4/27/2011					0.02	<0.002
10/25/2011						<0.002
10/26/2011			<0.002		0.0025 (J)	
10/27/2011	<0.002	<0.002		<0.002		
5/1/2012	<0.002	<0.002	<0.002		0.0022 (J)	0.0027 (J)
5/2/2012				<0.002		
11/8/2012	<0.002	<0.002	0.0034 (J)	0.021 (O)	0.015	<0.002
5/7/2013	<0.002	<0.002		<0.002	0.02	0.0039 (J)
5/8/2013			<0.002			
11/4/2013	<0.002	<0.002	<0.002	<0.002		
11/5/2013					0.014	<0.002
5/23/2014					0.06 (O)	0.0029 (J)
5/24/2014	<0.002	<0.002	<0.002	<0.002		
11/7/2014			0.002 (J)	<0.002	0.0032 (J)	<0.002
11/8/2014	<0.002	<0.002				
5/20/2015			0.0024 (J)	<0.002		
5/21/2015	0.0028 (O)	0.003 (J)			0.017 (JV)	0.0031 (J)
11/12/2015					0.01 (J)	<0.002
11/13/2015	<0.002	0.078 (O)	<0.002	<0.002		
4/6/2016	<0.002					
4/7/2016			<0.002	<0.002		<0.002
4/8/2016		<0.002			<0.002	
10/10/2016			<0.002	<0.002		
10/11/2016	<0.002	<0.002			0.0051	
10/14/2016						0.0024 (J)
4/7/2017		<0.002	<0.002	<0.002	<0.002	<0.002
4/10/2017	<0.002					
10/9/2017	<0.002	<0.002				
10/10/2017			<0.002	<0.002	<0.002	<0.002
3/22/2018			<0.002 (D)		<0.002	
3/23/2018				<0.002		<0.002
3/26/2018	<0.002	<0.002 (D)				
10/3/2018	<0.002	<0.002	<0.002			<0.002
10/4/2018				<0.002		
10/5/2018					<0.002	
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	0.00083 (J)
3/19/2020	<0.002	<0.002	0.00072 (J)	<0.002		0.0022
3/20/2020					0.0011 (J)	
9/10/2020	0.0023	<0.002				
9/11/2020			0.002	<0.002	<0.002	<0.002
4/2/2021	<0.002	<0.002	<0.002			
4/5/2021				<0.002	0.0019 (J)	0.00093 (J)

# Time Series

Constituent: Copper, Total (mg/L)    Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.002
12/21/2010	<0.002				<0.002	
12/22/2010		<0.002	<0.002	<0.002		
2/14/2011	<0.002					<0.002
2/15/2011		<0.002	<0.002	<0.002	<0.002	
3/21/2011	<0.002				<0.002	<0.002
3/22/2011		<0.002	<0.002	<0.002		
4/26/2011	<0.002					
4/27/2011		<0.002	<0.002	<0.002		<0.002
4/28/2011					<0.002	
10/26/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/1/2012					<0.002	<0.002
5/2/2012	<0.002	<0.002	<0.002	<0.002		
11/8/2012	<0.002	<0.002	<0.002	<0.002		
11/9/2012					<0.002	<0.002
5/8/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/4/2013		<0.002	<0.002	<0.002	<0.002	<0.002
11/5/2013	<0.002					
5/23/2014	<0.002					
5/24/2014		<0.002	<0.002	<0.002	<0.002	<0.002
11/7/2014	<0.002	<0.002		<0.002	<0.002	<0.002
11/8/2014			<0.002			
5/20/2015						<0.002
5/21/2015	<0.002					
5/22/2015		0.0031 (O)	0.0031 (O)	<0.002	<0.002	
11/12/2015	<0.002					
11/13/2015		<0.002	<0.002	<0.002	<0.002	<0.002
4/7/2016	<0.002					
4/8/2016						<0.002
4/11/2016		<0.002	<0.002	<0.002	<0.002	
10/11/2016	<0.002	<0.002	<0.002			
10/13/2016				<0.002	<0.002	<0.002
4/7/2017	<0.002		<0.002			
4/10/2017		<0.002		<0.002		
4/11/2017					<0.002	<0.002
10/10/2017	<0.002	<0.002	<0.002			
10/11/2017				<0.002	<0.002	<0.002
3/22/2018	<0.002					
3/23/2018			<0.002			
3/26/2018		<0.002		<0.002	<0.002	<0.002
10/3/2018	<0.002					
10/4/2018		<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2019	<0.002			<0.002		
3/28/2019		<0.002	<0.002		<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002			
9/11/2020				0.0013 (J)	<0.002	<0.002
4/5/2021				<0.002	<0.002	
4/6/2021	<0.002	<0.002	<0.002			<0.002

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	0.035 (J)					
4/7/2016			0.035 (J)	0.024 (J)		0.044 (J)
4/8/2016		<0.1			<0.1	
6/14/2016	<0.1	<0.1	<0.1	<0.1	<0.1	
6/17/2016						<0.1
8/9/2016		<0.1	<0.1	<0.1	<0.1	
8/10/2016	<0.1					<0.1
10/10/2016			<0.1	<0.1		
10/11/2016	<0.1	<0.1			<0.1	
10/14/2016						<0.1
12/2/2016	<0.1		<0.1	<0.1		
12/5/2016		<0.1			<0.1	
12/19/2016						0.1 (J)
2/9/2017			<0.1			
2/10/2017	<0.1	<0.1		<0.1	<0.1	
2/13/2017						<0.1
4/7/2017		<0.1	<0.1	<0.1	<0.1	<0.1
4/10/2017	<0.1					
6/22/2017			<0.1		<0.1	<0.1
6/23/2017	<0.1			<0.1		
6/26/2017		<0.1				
10/9/2017	<0.1	<0.1				
10/10/2017			<0.1	<0.1	<0.1	<0.1
3/22/2018			<0.1 (D)		<0.1	
3/23/2018				<0.1		<0.1
3/26/2018	<0.1	<0.1 (D)				
10/3/2018	<0.1	<0.1	<0.1			<0.1
10/4/2018				<0.1		
10/5/2018					<0.1	
3/27/2019	0.035 (J)	0.036 (J)	<0.1	0.033 (J)	0.041 (J)	0.04 (J)
9/12/2019	0.04 (J)	0.043 (J)	0.026 (J)	<0.1	0.041 (J)	0.044 (J)
3/19/2020	0.059 (J)	0.054 (J)	0.041 (J)	<0.1		0.049 (J)
3/20/2020					<0.1	
9/10/2020	0.044 (J)	0.034 (J)				
9/11/2020			<0.1	<0.1	0.034 (J)	0.035 (J)
4/2/2021	0.028 (J)	0.032 (J)	<0.1			
4/5/2021				0.039 (J)	0.038 (J)	0.031 (J)

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	0.041 (J)					
4/8/2016						<0.1
4/11/2016		0.033 (J)	0.027 (J)	0.027 (J)	<0.1	
6/14/2016	<0.1					
6/15/2016		<0.1	<0.1			
6/16/2016				<0.1	<0.1	<0.1
8/9/2016	<0.1					
8/10/2016		<0.1	<0.1	<0.1		
8/11/2016					<0.1	<0.1
10/11/2016	<0.1	<0.1	<0.1			
10/13/2016				<0.1	<0.1	<0.1
12/2/2016	<0.1		<0.1			
12/5/2016		<0.1		<0.1	<0.1	
12/6/2016						<0.1
2/9/2017	<0.1					
2/13/2017		<0.1	<0.1	<0.1	<0.1	<0.1
4/7/2017	<0.1		<0.1			
4/10/2017		<0.1		<0.1		
4/11/2017					<0.1	<0.1
6/22/2017	<0.1		<0.1			
6/23/2017		<0.1		<0.1		
6/24/2017					<0.1	<0.1
10/10/2017	<0.1	<0.1	<0.1			
10/11/2017				<0.1	<0.1	<0.1
3/22/2018	<0.1					
3/23/2018			<0.1			
3/26/2018		<0.1		<0.1	<0.1	<0.1
10/3/2018	<0.1					
10/4/2018		<0.1	<0.1	<0.1	<0.1	<0.1
3/27/2019	0.037 (J)			<0.1		
3/28/2019		0.033 (J)	0.042 (J)		0.039 (J)	<0.1
9/12/2019	0.042 (J)	0.042 (J)	0.028 (J)	0.028 (J)	0.042 (J)	<0.1
3/19/2020	0.044 (J)	0.042 (J)	0.039 (J)	0.037 (J)	0.053 (J)	<0.1
9/10/2020	0.036 (J)	0.04 (J)	<0.1			
9/11/2020				0.049 (J)	0.041 (J)	<0.1
4/5/2021				<0.1	0.05 (J)	
4/6/2021	0.03 (J)	0.031 (J)	<0.1			<0.1

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:01 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	0.0027 (J)	
2/14/2011	0.0028 (J)	<0.001	0.0024 (J)			0.0029 (J)
3/21/2011			<0.001	<0.001		
3/22/2011	0.0021 (J)	<0.001				
3/23/2011					0.0041 (J)	0.0028 (J)
4/26/2011	0.003 (J)	0.0025 (J)	0.0027 (J)	0.0024 (J)		
4/27/2011					0.0054	0.0038 (J)
10/25/2011						0.0043 (J)
10/26/2011			0.0026 (J)		<0.001	
10/27/2011	0.0028 (J)	0.0033 (J)		0.0025 (J)		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	0.0023 (J)	0.003 (J)	0.0022 (J)	<0.001
5/7/2013	0.0044 (J)	0.0048 (J)		0.0029 (J)	0.0062	0.0064
5/8/2013			0.0026 (J)			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					0.0026 (J)	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	0.0022 (J)	0.0026 (J)
11/8/2014	<0.001	0.0021 (J)				
5/20/2015			0.005 (J)	0.0037 (J)		
5/21/2015	0.0032 (J)	0.002 (J)			0.0049 (J)	0.0038 (J)
11/12/2015					<0.001	0.0021 (J)
11/13/2015	<0.001	<0.001	0.0031 (J)	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/17/2016						<0.001
8/9/2016		<0.001	<0.001	<0.001	<0.001	
8/10/2016	<0.001					<0.001
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
12/2/2016	<0.001		<0.001	<0.001		
12/5/2016		<0.001			<0.001	
12/19/2016						<0.001
2/9/2017			<0.001			
2/10/2017	<0.001	<0.001		<0.001	<0.001	
2/13/2017						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
6/22/2017			<0.001		<0.001	<0.001
6/23/2017	<0.001			<0.001		
6/26/2017		<0.001				
10/9/2017	<0.001	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		0.00096 (J)	

# Time Series

Constituent: Lead, T Total (mg/L) Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	0.00019 (J)	<0.001		0.0002 (J)
3/20/2020					<0.001	
9/10/2020	0.0022	<0.001				
9/11/2020			0.0016	<0.001	<0.001	<0.001
4/2/2021	<0.001	0.00018 (J)	<0.001			
4/5/2021				<0.001	<0.001	<0.001



# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:01 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	0.0032 (J)					<0.001
2/15/2011		0.0021 (J)	0.0028 (J)	0.0032 (J)	0.0034 (J)	
3/21/2011	0.0038 (J)				0.004 (J)	<0.001
3/22/2011		0.0027 (J)	0.0022 (J)	0.0024 (J)		
4/26/2011	0.0046 (J)					
4/27/2011		0.0024 (J)	0.0033 (J)	0.0033 (J)		<0.001
4/28/2011					0.0036 (J)	
10/26/2011	0.0024 (J)	0.0021 (J)	0.0028 (J)	0.0023 (J)	0.0038 (J)	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	0.0021 (J)	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	0.006	0.0035 (J)	0.0043 (J)	0.0035 (J)	0.0059	<0.001
11/4/2013		<0.001	<0.001	<0.001	0.0027 (J)	<0.001
11/5/2013	0.0023 (J)					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						0.0026 (O)
5/21/2015	0.0062 (J)					
5/22/2015		0.0038 (J)	0.0042 (J)	0.0035 (J)	0.006 (J)	
11/12/2015	0.0035 (J)					
11/13/2015		<0.001	<0.001	<0.001	0.0024 (J)	<0.001
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001					
6/15/2016		<0.001	<0.001			
6/16/2016				<0.001	<0.001	<0.001
8/9/2016	<0.001					
8/10/2016		<0.001	<0.001	<0.001		
8/11/2016					<0.001	<0.001
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
12/2/2016	<0.001		<0.001			
12/5/2016		<0.001		<0.001	<0.001	
12/6/2016						<0.001
2/9/2017	<0.001					
2/13/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
6/22/2017	<0.001		<0.001			
6/23/2017		<0.001		<0.001		
6/24/2017					<0.001	<0.001
10/10/2017	<0.001	<0.001	<0.001			
10/11/2017				0.00041 (J)	<0.001	<0.001
3/22/2018	<0.001					

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.001			
3/26/2018		<0.001		<0.001	0.0034 (o)	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				0.0015	<0.001	<0.001
4/5/2021				<0.001	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.0002	<0.0002	<0.0002	
12/21/2010						<0.0002
12/22/2010	<0.0002	<0.0002				
2/1/2011				<0.0002	<0.0002	
2/14/2011	<0.0002	<0.0002	<0.0002			<0.0002
3/21/2011			<0.0002	<0.0002		
3/22/2011	<0.0002	<0.0002				
3/23/2011					<0.0002	<0.0002
4/26/2011	<0.0002	<0.0002	<0.0002	<0.0002		
4/27/2011					<0.0002	<0.0002
10/25/2011						<0.0002
10/26/2011			<0.0002		<0.0002	
10/27/2011	<0.0002	<0.0002		<0.0002		
5/1/2012	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
5/2/2012				<0.0002		
11/8/2012	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/7/2013	<0.0002	<0.0002		0.00011 (J)	8.1E-05 (J)	8.4E-05 (J)
5/8/2013			<0.0002			
11/4/2013	<0.0002	<0.0002	<0.0002	<0.0002		
11/5/2013					<0.0002	<0.0002
5/23/2014					<0.0002	<0.0002
5/24/2014	<0.0002	<0.0002	<0.0002	<0.0002		
11/7/2014			<0.0002	<0.0002	<0.0002	<0.0002
11/8/2014	<0.0002	<0.0002				
5/20/2015			<0.0002	<0.0002		
5/21/2015	<0.0002	<0.0002			<0.0002	<0.0002
11/12/2015					<0.0002	<0.0002
11/13/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/6/2016	<0.0002					
4/7/2016			<0.0002	<0.0002		<0.0002
4/8/2016		<0.0002			<0.0002	
6/14/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
6/17/2016						<0.0002
8/9/2016		<0.0002	<0.0002	<0.0002	<0.0002	
8/10/2016	<0.0002					<0.0002
10/10/2016			<0.0002	<0.0002		
10/11/2016	<0.0002	<0.0002			<0.0002	
10/14/2016						<0.0002
12/2/2016	<0.0002		<0.0002	<0.0002		
12/5/2016		<0.0002			<0.0002	
12/19/2016						<0.0002
2/9/2017			<0.0002			
2/10/2017	<0.0002	<0.0002		<0.0002	<0.0002	
2/13/2017						<0.0002
4/7/2017		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/10/2017	<0.0002					
6/22/2017			<0.0002		<0.0002	<0.0002
6/23/2017	<0.0002			<0.0002		
6/26/2017		<0.0002				
10/9/2017	8.7E-05 (J)	8.7E-05 (J)				
10/10/2017			8.9E-05 (J)	8.8E-05 (J)	9.2E-05 (J)	9.2E-05 (J)
3/22/2018			<0.0002 (D)		<0.0002	

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0002		<0.0002
3/26/2018	<0.0002 (X)	<0.0002 (D)				
10/3/2018	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)			<0.0002 (X)
10/4/2018				<0.0002		
10/5/2018					<0.0002	
3/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/12/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
3/20/2020					<0.0002	
9/10/2020	<0.0002	<0.0002				
9/11/2020			<0.0002	<0.0002	<0.0002	<0.0002
4/2/2021	<0.0002	<0.0002	<0.0002			
4/5/2021				<0.0002	<0.0002	<0.0002

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.0002
12/21/2010	<0.0002				<0.0002	
12/22/2010		<0.0002	<0.0002	<0.0002		
2/14/2011	<0.0002					<0.0002
2/15/2011		<0.0002	<0.0002	<0.0002	<0.0002	
3/21/2011	<0.0002				<0.0002	<0.0002
3/22/2011		<0.0002	<0.0002	<0.0002		
4/26/2011	<0.0002					
4/27/2011		<0.0002	<0.0002	<0.0002		<0.0002
4/28/2011					<0.0002	
10/26/2011	<0.0002	<0.0002	<0.0002	<0.0002	8.2E-05	<0.0002
5/1/2012					<0.0002	<0.0002
5/2/2012	<0.0002	<0.0002	<0.0002	<0.0002		
11/8/2012	<0.0002	<0.0002	<0.0002	<0.0002		
11/9/2012					<0.0002	<0.0002
5/8/2013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/4/2013		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/5/2013	<0.0002					
5/23/2014	<0.0002					
5/24/2014		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/7/2014	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
11/8/2014			<0.0002			
5/20/2015						<0.0002
5/21/2015	<0.0002					
5/22/2015		<0.0002	<0.0002	<0.0002	<0.0002	
11/12/2015	<0.0002					
11/13/2015		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/7/2016	<0.0002					
4/8/2016						<0.0002
4/11/2016		<0.0002	<0.0002	<0.0002	<0.0002	
6/14/2016	<0.0002					
6/15/2016		<0.0002	<0.0002			
6/16/2016				<0.0002	<0.0002	<0.0002
8/9/2016	<0.0002					
8/10/2016		<0.0002	<0.0002	<0.0002		
8/11/2016					<0.0002	<0.0002
10/11/2016	<0.0002	<0.0002	<0.0002			
10/13/2016				<0.0002	<0.0002	<0.0002
12/2/2016	<0.0002		<0.0002			
12/5/2016		<0.0002		<0.0002	<0.0002	
12/6/2016						<0.0002
2/9/2017	<0.0002					
2/13/2017		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/7/2017	<0.0002		<0.0002			
4/10/2017		<0.0002		<0.0002		
4/11/2017					<0.0002	<0.0002
6/22/2017	<0.0002		<0.0002			
6/23/2017		<0.0002		<0.0002		
6/24/2017					<0.0002	<0.0002
10/10/2017	8.8E-05 (J)	9.1E-05 (J)	8.9E-05 (J)			
10/11/2017				<0.0002	<0.0002	<0.0002
3/22/2018	<0.0002					

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0002 (X)			
3/26/2018		<0.0002		<0.0002	<0.0002	<0.0002 (X)
10/3/2018	<0.0002 (X)					
10/4/2018		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/27/2019	<0.0002			<0.0002		
3/28/2019		<0.0002	<0.0002		<0.0002	<0.0002
9/12/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/10/2020	<0.0002	<0.0002	<0.0002			
9/11/2020				<0.0002	<0.0002	<0.0002
4/5/2021				<0.0002	<0.0002	
4/6/2021	<0.0002	<0.0002	<0.0002			<0.0002

# Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						0.0052
12/22/2010	<0.001	0.003 (O)				
2/1/2011				<0.001	0.0072	
2/14/2011	<0.001	<0.001	<0.001			0.016
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	0.0035 (J)
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	0.0035 (O)	0.0066	0.0046 (J)
5/7/2013	<0.001	<0.001		<0.001	0.022	0.0087
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					0.0093	0.0036 (J)
5/23/2014					0.0045 (J)	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	0.0049 (J)	0.0064
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			0.012	0.0045 (J)
11/12/2015					0.019	0.0036 (J)
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
10/9/2017	0.0024 (O)	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	0.00097 (J)	<0.001	0.00061 (J)	0.0004 (J)	<0.001	<0.001
3/19/2020	0.00037 (J)	<0.001	0.00074 (J)	<0.001		0.0004 (J)
3/20/2020					<0.001	
9/10/2020	0.00095 (J)	<0.001				
9/11/2020			0.001	<0.001	<0.001	<0.001
4/2/2021	0.00046 (J)	0.00049 (J)	0.00077 (J)			
4/5/2021				<0.001	<0.001	0.00034 (J)

# Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.006
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					0.0067
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	0.0066
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		0.0077
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	0.0063
5/1/2012					<0.001	0.0068
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	0.0067
5/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	0.0066
11/4/2013		<0.001	<0.001	<0.001	<0.001	0.0072
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	0.0053
11/7/2014	<0.001	<0.001		<0.001	<0.001	0.0052
11/8/2014			<0.001			
5/20/2015						0.0067
5/21/2015	<0.001					
5/22/2015		0.0032 (J)	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	0.0063
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		0.00388 (J)	<0.001	<0.001	<0.001	
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		0.0042		<0.001		
4/11/2017					<0.001	0.0075
10/10/2017	<0.001	0.0037	<0.001			
10/11/2017				0.0018 (J)	<0.001	0.0072
3/22/2018	<0.001					
3/23/2018			<0.001			
3/26/2018		0.0037		0.0021 (J)	<0.001	0.0075
10/3/2018	<0.001					
10/4/2018		0.0037	<0.001	0.0024 (J)	<0.001	0.0073
3/27/2019	<0.001			0.0024 (J)		
3/28/2019		0.0038	<0.001		<0.001	0.0069
9/12/2019	0.00043 (J)	0.0035	0.0012	0.0019	<0.001	0.007
3/19/2020	<0.001	0.0039	0.0015	0.0021	<0.001	0.007
9/10/2020	0.00062 (J)	0.0035	0.0017			
9/11/2020				0.002	<0.001	0.0074
4/5/2021				0.002	<0.001	
4/6/2021	<0.001	0.0042	0.0019			0.0072



# Time Series

Constituent: pH (S.U.) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
11/7/2014			6.26	5.92	6.54	6.91
11/8/2014	5.89	5.92				
5/21/2015		5.97				
11/12/2015					6.43	6.81
11/13/2015	5.65	5.8	6.02	5.78		
4/6/2016	5.9 (D)					
4/7/2016			6.48	6.83	6.45 (D)	6.74
4/8/2016		6.12			6.45	
6/14/2016	5.75	5.84	6.05	5.82	6.4	
6/17/2016						6.78
8/1/2016				5.78		
8/9/2016		5.75	6.05		6.43	
8/10/2016	5.75					6.73
10/10/2016			6.02	5.78		
10/11/2016	5.8	5.84			6.34	
10/14/2016						6.7
12/2/2016	5.78		5.95	5.71		
12/5/2016		5.7			6.46	6.71
2/9/2017			6.24			
2/10/2017	5.83	6.17		5.79	6.33	
2/13/2017						6.56
4/7/2017		5.99	5.95	5.93	6.38	6.62
4/10/2017	5.74					
6/22/2017			6.02		6.45	6.76
6/23/2017				5.77		
6/26/2017	5.83	5.87				
10/9/2017	5.61	5.52				
10/10/2017			6	5.81	6.44	6.7
3/22/2018			6.2		6.46	
3/23/2018				5.89		6.92
3/26/2018	5.76	6.06				
10/3/2018	5.78	5.83	6.03			6.81
10/4/2018				5.86		
10/5/2018					6.47	
3/27/2019	5.97	6.04	6.31	5.95	6.52	6.86
9/12/2019	5.83	5.87		5.83	6.49	6.78
9/13/2019			5.96			
3/19/2020	5.81	6.14	6.46	5.93	6.39	6.73
3/20/2020					6.39	
9/10/2020	5.83	5.78				
9/11/2020			5.98	6.02	6.59	6.76
4/2/2021	6.06	6.03	5.92			
4/5/2021				5.92	6.59	6.78
6/1/2021				5.8	6.46	6.78

# Time Series

Constituent: pH (S.U.) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
11/7/2014	6.99			5.95	6.75	5.67
11/8/2014			5.94			
5/22/2015		5.8	5.79	5.84	6.65	
5/25/2015				8.36 (o)	7.63 (o)	7.725 (oD)
11/12/2015	7					
11/13/2015		5.87	5.92	5.82	6.77	5.52
4/7/2016	6.85					
4/8/2016						5.63
4/11/2016		5.84	5.82	5.88	6.64	
6/14/2016	6.83					
6/15/2016		5.82	5.85			
6/16/2016				5.85	6.6	5.56
8/9/2016	6.77					
8/10/2016		5.82	5.85	5.83		
8/11/2016					6.61	5.56
10/11/2016	6.83	5.78	5.76			
10/13/2016				5.84	6.64	5.61
12/2/2016	6.79		5.76			
12/5/2016		5.72		5.81	6.63	
12/6/2016						5.48
2/9/2017	6.65					
2/13/2017		5.81	5.8	5.76	6.59	5.57
4/7/2017	6.75		5.75			
4/10/2017		5.75		5.78		
4/11/2017					6.53	5.52
6/22/2017	6.85		5.83			
6/23/2017		5.78		5.82		
6/26/2017					6.6	5.56
10/10/2017	6.84	5.82	5.76			
10/11/2017				5.83	6.61	5.51
3/22/2018	7					
3/23/2018			5.98			
3/26/2018		5.91		5.98	6.77	5.78
10/3/2018	6.93					
10/4/2018		5.83	5.85	5.85	6.67	5.56
3/27/2019	6.91			5.94		
3/28/2019		5.95	5.71		6.71	5.67
9/12/2019	6.82	5.98		5.86	6.68	
9/13/2019			5.78			5.55
3/19/2020	6.87	5.97	5.78	5.9	6.64	5.65
9/10/2020	6.91	6.09	5.78			
9/11/2020				5.84	6.64	5.69
4/5/2021				5.99	6.68	
4/6/2021	6.87	6.3	5.76			5.67
6/2/2021				5.87	6.6	

# Time Series

Constituent: Selenium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.005	<0.005	<0.005	
12/21/2010						<0.005
12/22/2010	<0.005	<0.005				
2/1/2011				<0.005	<0.005	
2/14/2011	<0.005	<0.005	<0.005			<0.005
3/21/2011			<0.005	<0.005		
3/22/2011	<0.005	<0.005				
3/23/2011					<0.005	<0.005
4/26/2011	<0.005	<0.005	<0.005	<0.005		
4/27/2011					<0.005	<0.005
10/25/2011						<0.005
10/26/2011			<0.005		<0.005	
10/27/2011	<0.005	<0.005		<0.005		
5/1/2012	<0.005	<0.005	<0.005		<0.005	<0.005
5/2/2012				<0.005		
11/8/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/7/2013	<0.005	<0.005		<0.005	<0.005	0.0046
5/8/2013			0.0048			
11/4/2013	0.0061 (O)	0.0048	<0.005	<0.005		
11/5/2013					0.0064 (O)	0.0047
5/23/2014					<0.005	<0.005
5/24/2014	<0.005	<0.005	0.0042	<0.005		
11/7/2014			<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005	<0.005				
5/20/2015			0.0093 (O)	<0.005		
5/21/2015	0.0072 (O)	0.0041			<0.005	0.0077 (O)
11/12/2015					<0.005	<0.005
11/13/2015	<0.005	<0.005	0.0061 (O)	<0.005		
4/6/2016	<0.005					
4/7/2016			<0.005	<0.005		<0.005
4/8/2016		<0.005			<0.005	
6/14/2016	<0.005	<0.005	<0.005	<0.005	<0.005	
6/17/2016						<0.005
8/9/2016		<0.005	<0.005	<0.005	<0.005	
8/10/2016	<0.005					<0.005
10/10/2016			<0.005	<0.005		
10/11/2016	<0.005	<0.005			<0.005	
10/14/2016						<0.005
12/2/2016	<0.005		<0.005	<0.005		
12/5/2016		<0.005			<0.005	
12/19/2016						<0.005
2/9/2017			<0.005			
2/10/2017	<0.005	0.0032		<0.005	<0.005	
2/13/2017						<0.005
4/7/2017		<0.005	<0.005	<0.005	<0.005	<0.005
4/10/2017	<0.005					
6/22/2017			<0.005		0.0021	<0.005
6/23/2017	<0.005			<0.005		
6/26/2017		<0.005				
10/9/2017	<0.005	<0.005				
10/10/2017			0.00033 (J)	<0.005	<0.005	<0.005
3/22/2018			<0.005 (D)		<0.005	

# Time Series

Constituent: Selenium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.005		<0.005
3/26/2018	<0.005	<0.005 (D)				
10/3/2018	<0.005	<0.005	<0.005			<0.005
10/4/2018				<0.005		
10/5/2018					<0.005	
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/12/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/20/2020					<0.005	
9/10/2020	<0.005	<0.005				
9/11/2020			<0.005	<0.005	<0.005	<0.005
4/2/2021	<0.005	<0.005	<0.005			
4/5/2021				<0.005	<0.005	<0.005

# Time Series

Constituent: Selenium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.005
12/21/2010	<0.005				<0.005	
12/22/2010		<0.005	<0.005	<0.005		
2/14/2011	<0.005					<0.005
2/15/2011		<0.005	<0.005	<0.005	<0.005	
3/21/2011	<0.005				<0.005	<0.005
3/22/2011		<0.005	<0.005	<0.005		
4/26/2011	<0.005					
4/27/2011		<0.005	<0.005	<0.005		<0.005
4/28/2011					<0.005	
10/26/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/1/2012					<0.005	<0.005
5/2/2012	<0.005	<0.005	<0.005	<0.005		
11/8/2012	<0.005	<0.005	<0.005	<0.005		
11/9/2012					<0.005	<0.005
5/8/2013	<0.005	<0.005	0.0042	<0.005	<0.005	<0.005
11/4/2013		<0.005	<0.005	<0.005	0.0049	<0.005
11/5/2013	<0.005					
5/23/2014	<0.005					
5/24/2014		0.0044	<0.005	<0.005	<0.005	<0.005
11/7/2014	<0.005	<0.005		<0.005	<0.005	<0.005
11/8/2014			<0.005			
5/20/2015						<0.005
5/21/2015	0.0041					
5/22/2015		<0.005	<0.005	<0.005	0.0067 (O)	
11/12/2015	<0.005					
11/13/2015		<0.005	<0.005	<0.005	<0.005	<0.005
4/7/2016	<0.005					
4/8/2016						<0.005
4/11/2016		<0.005	<0.005	<0.005	<0.005	
6/14/2016	<0.005					
6/15/2016		<0.005	<0.005			
6/16/2016				<0.005	<0.005	<0.005
8/9/2016	<0.005					
8/10/2016		<0.005	<0.005	<0.005		
8/11/2016					0.00036 (J)	<0.005
10/11/2016	<0.005	<0.005	<0.005			
10/13/2016				<0.005	0.00035 (J)	0.00046 (J)
12/2/2016	<0.005		<0.005			
12/5/2016		<0.005		<0.005	<0.005	
12/6/2016						<0.005
2/9/2017	<0.005					
2/13/2017		<0.005	<0.005	<0.005	<0.005	0.0025
4/7/2017	0.00092 (J)		0.0021			
4/10/2017		<0.005		<0.005		
4/11/2017					0.0027	0.00089 (J)
6/22/2017	<0.005		<0.005			
6/23/2017		<0.005		<0.005		
6/24/2017					<0.005	<0.005
10/10/2017	<0.005	<0.005	<0.005			
10/11/2017				<0.005	<0.005	<0.005
3/22/2018	<0.005					

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.005			
3/26/2018		<0.005		<0.005	<0.005	<0.005
10/3/2018	<0.005					
10/4/2018		0.00032 (J)	<0.005	<0.005	0.0004 (J)	<0.005
3/27/2019	<0.005			<0.005		
3/28/2019		<0.005	<0.005		<0.005	<0.005
9/12/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/10/2020	<0.005	<0.005	<0.005			
9/11/2020				<0.005	<0.005	<0.005
4/5/2021				<0.005	<0.005	
4/6/2021	<0.005	<0.005	<0.005			<0.005

# Time Series

Constituent: Silver, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	<0.001	
2/14/2011	<0.001	<0.001	<0.001			<0.001
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			<0.001	<0.001
11/12/2015					<0.001	<0.001
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
10/9/2017	<0.001	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/20/2020					<0.001	
9/10/2020	<0.001	<0.001				
9/11/2020			<0.001	<0.001	<0.001	<0.001
4/2/2021	<0.001	<0.001	<0.001			
4/5/2021				<0.001	<0.001	<0.001

# Time Series

Constituent: Silver, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					<0.001
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	<0.001
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		<0.001
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/4/2013		<0.001	<0.001	<0.001	<0.001	<0.001
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						<0.001
5/21/2015	<0.001					
5/22/2015		<0.001	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		<0.001	<0.001	<0.001	<0.001	
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
10/10/2017	<0.001	<0.001	<0.001			
10/11/2017				<0.001	<0.001	<0.001
3/22/2018	<0.001					
3/23/2018			<0.001			
3/26/2018		<0.001		<0.001	<0.001	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				<0.001	<0.001	<0.001
4/5/2021				<0.001	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001



# Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	0.813 (J)					
4/7/2016			107.095	0.594 (J)		1.522
4/8/2016		<1			<1	
6/14/2016	<1	<1	160	<1	<1	
6/17/2016						1.1
8/9/2016		<1	130	<1	<1	
8/10/2016	0.9 (J)					1.1
10/10/2016			140	<1		
10/11/2016	0.99 (J)	<1			<1	
10/14/2016						0.89 (J)
12/2/2016	0.99 (J)		150	<1		
12/5/2016		<1			<1	
12/19/2016						1.2
2/9/2017			150			
2/10/2017	1.4	<1		<1	<1	
2/13/2017						1.4
4/7/2017		<1	140	<1	<1	1.2
4/10/2017	1.6					
6/22/2017			160		<1	1.1
6/23/2017	1.8			<1		
6/26/2017		<1				
10/9/2017	2.5	<1				
10/10/2017			160	<1	<1	0.92 (J)
3/22/2018			150 (D)		<1	
3/23/2018				<1		1.3
3/26/2018	2.3	<1 (D)				
10/3/2018	1.9	<1	140			1.2
10/4/2018				<1		
10/5/2018					<1	
3/27/2019	0.81 (J)	<1	140	0.52 (J)	<1	1.6
9/12/2019	1.3	0.38 (J)	170	0.61 (J)	0.4 (J)	1.2
3/19/2020	0.92 (J)	<1	150	0.39 (J)		1.5
3/20/2020					0.58 (J)	
9/10/2020	1.3	<1				
9/11/2020			170	0.99 (J)	0.39 (J)	1.3
4/2/2021	0.99 (J)	<1	180			
4/5/2021				<1	<1	1.3

# Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	0.507 (J)					
4/8/2016						135.355
4/11/2016		2.15	<1	0.415 (J)	<1	
6/14/2016	<1					
6/15/2016		<1	<1			
6/16/2016				<1	10	140
8/9/2016	<1					
8/10/2016		2.5	<1	<1		
8/11/2016					9.8	130
10/11/2016	<1	2.7	<1			
10/13/2016				<1	11	140
12/2/2016	<1		<1			
12/5/2016		2.6		<1	13	
12/6/2016						150
2/9/2017	<1					
2/13/2017		2.4	<1	<1	14	160
4/7/2017	<1		<1			
4/10/2017		2.3		<1		
4/11/2017					12	130
6/22/2017	<1		<1			
6/23/2017		2.5		<1		
6/24/2017					12	160
10/10/2017	<1	2.5	<1			
10/11/2017				<1	13	160
3/22/2018	<1					
3/23/2018			<1			
3/26/2018		2.4		<1	20	160
10/3/2018	<1					
10/4/2018		2.8	<1	<1	23	170
3/27/2019	0.56 (J)			2.7		
3/28/2019		3.2	0.38 (J)		29	170
9/12/2019	0.77 (J)	3.2	<1	0.65 (J)	34	170
3/19/2020	0.56 (J)	3.2	<1	0.71 (J)	40	170
9/10/2020	0.42 (J)	2.7	<1			
9/11/2020				2.6	39	160
4/5/2021				1.7	57	
4/6/2021	<1	2.5	<1			160

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.00026 (J)	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	<0.001	
2/14/2011	<0.001	<0.001	<0.001			<0.001
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001
5/8/2013			<0.001			
11/4/2013	0.00025 (J)	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			0.00032	<0.001	<0.001	<0.001
11/8/2014	0.00048	0.00086				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			<0.001	<0.001
11/12/2015					<0.001	<0.001
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/17/2016						<0.001
8/9/2016		<0.001	<0.001	<0.001	<0.001	
8/10/2016	<0.001					<0.001
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
12/2/2016	<0.001		<0.001	<0.001		
12/5/2016		<0.001			<0.001	
12/19/2016						<0.001
2/9/2017			<0.001			
2/10/2017	<0.001	<0.001		<0.001	<0.001	
2/13/2017						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
6/22/2017			<0.001		<0.001	<0.001
6/23/2017	<0.001			<0.001		
6/26/2017		<0.001				
10/9/2017	<0.001	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	0.00036 (J)	<0.001		0.00018 (J)
3/20/2020					<0.001	
9/10/2020	<0.001	<0.001				
9/11/2020			<0.001	<0.001	<0.001	<0.001
4/2/2021	0.00016 (J)	0.00036 (J)	<0.001			
4/5/2021				<0.001	<0.001	0.00043 (J)

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					<0.001
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	<0.001
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		<0.001
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	<0.001	<0.001	0.00028	<0.001	<0.001	<0.001
11/4/2013		<0.001	<0.001	<0.001	<0.001	<0.001
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						<0.001
5/21/2015	<0.001					
5/22/2015		<0.001	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001					
6/15/2016		<0.001	<0.001			
6/16/2016				<0.001	<0.001	<0.001
8/9/2016	<0.001					
8/10/2016		<0.001	<0.001	<0.001		
8/11/2016					<0.001	<0.001
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
12/2/2016	<0.001		<0.001			
12/5/2016		<0.001		<0.001	<0.001	
12/6/2016						<0.001
2/9/2017	<0.001					
2/13/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
6/22/2017	<0.001		<0.001			
6/23/2017		<0.001		<0.001		
6/24/2017					<0.001	<0.001
10/10/2017	<0.001	<0.001	<0.001			
10/11/2017				<0.001	<0.001	<0.001
3/22/2018	<0.001					

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.001			
3/26/2018		<0.001		<0.001	<0.001	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				<0.001	<0.001	<0.001
4/5/2021				0.00022 (J)	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	51					
4/7/2016			237	69		100
4/8/2016		74			89	
6/14/2016	62	111	240	<25	55	
6/17/2016						69
8/9/2016		44	230	40	90	
8/10/2016	70					110
10/10/2016			240	34		
10/11/2016	84	64			86	
10/14/2016						100
12/2/2016	74		270	50		
12/5/2016		52			74	
12/19/2016						100
2/9/2017			240			
2/10/2017	100	86		60	100	
2/13/2017						80
4/7/2017		68	260	70	92	86
4/10/2017	82					
6/22/2017			300		64	72
6/23/2017	72			42		
6/26/2017		76				
10/9/2017	82	50				
10/10/2017			280	34	68	70
3/22/2018			310		92	
3/23/2018				52		86
3/26/2018	94	56				
10/3/2018	72	42	190			88
10/4/2018				48		
10/5/2018					90	
3/27/2019	98	76	290	66	94	100
9/12/2019	130	72	340	97	88	110
3/19/2020	100	65	310	51		97
3/20/2020					99	
9/10/2020	110	56				
9/11/2020			340	51	110	120
4/2/2021	100	69	360			
4/5/2021				46	63	99

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	114					
4/8/2016						237
4/11/2016		88	79	88	103	
6/14/2016	56 (O)					
6/15/2016		114	79			
6/16/2016				74	117	231
8/9/2016	100					
8/10/2016		82	72	66		
8/11/2016					94	190
10/11/2016	110	92	76			
10/13/2016				72	110	230
12/2/2016	94		60			
12/5/2016		86		70	130	
12/6/2016						260
2/9/2017	100					
2/13/2017		62	58	12 (O)	92	230
4/7/2017	100		68			
4/10/2017		60		80		
4/11/2017					120	210
6/22/2017	110		16			
6/23/2017		74		66		
6/24/2017					120	250
10/10/2017	100	86	44			
10/11/2017				56	120	280
3/22/2018	100					
3/23/2018			96			
3/26/2018		58 (J)		72	98	240
10/3/2018	96					
10/4/2018		130	110	96	190	320
3/27/2019	120			76		
3/28/2019		88	65		140	280
9/12/2019	120	110	89	110	160	300
3/19/2020	110	110	64	66	160	270
9/10/2020	130	120	82			
9/11/2020				87	170	290
4/5/2021				66	170	
4/6/2021	110	110	49			250



# Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	0.0024 (J)	0.0051 (J)	
12/21/2010						0.0091 (J)
12/22/2010	<0.001	<0.001				
2/1/2011				0.0021 (J)	0.012	
2/14/2011	<0.001	<0.001	<0.001			0.013
3/21/2011			<0.001	0.0025 (J)		
3/22/2011	0.0028 (J)	0.0032 (J)				
3/23/2011					0.015	<0.001
4/26/2011	0.0025 (J)	<0.001	0.0022 (J)	0.0033 (J)		
4/27/2011					0.022	0.0078 (J)
10/25/2011						0.012 (O)
10/26/2011			<0.001		0.0043 (J)	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	0.0037 (J)	0.0036 (J)		0.0069 (J)	0.019
5/2/2012				0.0051 (J)		
11/8/2012	<0.001	<0.001	0.0062 (O)	0.02 (O)	0.013	0.015
5/7/2013	<0.001	0.0041 (J)		0.0036 (J)	0.017	0.017
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	0.0043 (J)		
11/5/2013					0.013	0.015
5/23/2014					0.041	0.017
5/24/2014	<0.001	<0.001	<0.001	0.0033 (J)		
11/7/2014			<0.001	<0.001	0.0069 (J)	0.013
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	0.0062 (J)		
5/21/2015	<0.001	0.0052 (J)			0.016	0.016
11/12/2015					0.013	0.018
11/13/2015	<0.001	<0.001	<0.001	0.0046 (J)		
4/6/2016	0.00201 (J)					
4/7/2016			<0.001	0.00293 (J)		0.016
4/8/2016		<0.001 (D)			<0.001 (D)	
10/10/2016			<0.001	0.0031		
10/11/2016	<0.001	<0.001			0.011	
10/14/2016						0.018
4/7/2017		0.0033	<0.001	0.0041	0.0073	0.017
4/10/2017	0.002 (J)					
10/9/2017	<0.001	<0.001				
10/10/2017			0.0014 (J)	<0.001	0.0032	0.015
3/22/2018			<0.001 (D)		0.0068	
3/23/2018				0.0032		0.016
3/26/2018	0.0014 (J)	0.0029				
10/3/2018	0.0023 (J)	0.0022 (J)	<0.001			0.017
10/4/2018				<0.001 (X)		
10/5/2018					<0.001 (X)	
3/27/2019	0.0072 (O)	0.0071 (O)	0.0023 (J)	0.0072	0.012	0.022
9/12/2019	0.0031	0.0025	0.0017	0.0033	0.0075	0.019
3/19/2020	0.003	0.0052	0.0031	0.0033		0.019
3/20/2020					0.0086	
9/10/2020	0.0027	0.0025				
9/11/2020			0.0015	0.0026	0.007	0.017
4/2/2021	0.0029	0.0045	0.0014			
4/5/2021				0.003	0.0085	0.019

# Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	0.016				<0.001	
12/22/2010		0.0037 (J)	<0.001	0.0027 (J)		
2/14/2011	0.016					<0.001
2/15/2011		0.0043 (J)	<0.001	0.0036 (J)	0.0098 (J)	
3/21/2011	0.018				0.012	<0.001
3/22/2011		0.0039 (J)	0.0034 (J)	<0.001		
4/26/2011	0.018					
4/27/2011		0.0035 (J)	0.0032 (J)	0.0046 (J)		<0.001
4/28/2011					0.011	
10/26/2011	0.018	0.0047 (J)	<0.001	<0.001	0.012	<0.001
5/1/2012					0.011	0.0032 (J)
5/2/2012	0.021	0.0064 (J)	0.0039 (J)	0.0055 (J)		
11/8/2012	0.019	0.0051 (J)	0.0034 (J)	0.0042 (J)		
11/9/2012					0.011	<0.001
5/8/2013	0.02	0.0046 (J)	<0.001	0.0046 (J)	<0.001	<0.001
11/4/2013		0.0039 (J)	0.0035 (J)	0.0042 (J)	0.011	<0.001
11/5/2013	0.018					
5/23/2014	0.018					
5/24/2014		0.0053 (J)	0.0036 (J)	0.0061 (J)	0.012	<0.001
11/7/2014	0.018	0.0034 (J)		0.0032 (J)	0.01	<0.001
11/8/2014			<0.001			
5/20/2015						0.0065
5/21/2015	0.02					
5/22/2015		0.0068 (J)	0.0044 (J)	0.0056 (J)	0.013	
11/12/2015	0.016					
11/13/2015		0.0044 (J)	<0.001	<0.001	0.014	<0.001
4/7/2016	0.0182					
4/8/2016						0.0136 (O)
4/11/2016		0.00381 (J)	0.00254 (J)	0.00415 (J)	0.0107	
10/11/2016	0.023	<0.001	<0.001			
10/13/2016				<0.001	0.011	<0.001
4/7/2017	0.02		0.0024 (J)			
4/10/2017		0.0038		0.0043		
4/11/2017					0.011	<0.001
10/10/2017	0.016	0.0053	<0.001			
10/11/2017				0.0052	0.012	0.0019 (J)
3/22/2018	0.018					
3/23/2018			0.0023 (J)			
3/26/2018		0.0037		0.004	0.0096	<0.001
10/3/2018	0.018					
10/4/2018		<0.001 (X)	<0.001 (X)	<0.001 (X)	0.013	<0.001 (X)
3/27/2019	0.021			0.0087		
3/28/2019		0.0079	0.0053		0.01	0.0041
9/12/2019	0.02	0.0054	0.0028	0.0047	0.011	<0.001
3/19/2020	0.02	0.0044	0.0027	0.0046	0.01	<0.001
9/10/2020	0.018	0.0049	0.0026			
9/11/2020				0.0042	0.0099	<0.001
4/5/2021				0.0059	0.011	
4/6/2021	0.021	0.0045	0.0026			<0.001

# Time Series

Constituent: Zinc, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.005	<0.005	<0.005	
12/21/2010						<0.005
12/22/2010	<0.005	<0.005				
2/1/2011				<0.005	<0.005	
2/14/2011	<0.005	<0.005	<0.005			<0.005
3/21/2011			<0.005	<0.005		
3/22/2011	<0.005	<0.005				
3/23/2011					<0.005	<0.005
4/26/2011	<0.005	<0.005	<0.005	<0.005		
4/27/2011					<0.005	<0.005
10/25/2011						<0.005
10/26/2011			<0.005		<0.005	
10/27/2011	<0.005	<0.005		<0.005		
5/1/2012	<0.005	<0.005	<0.005		<0.005	<0.005
5/2/2012				<0.005		
11/8/2012	<0.005	<0.005	<0.005	0.013 (O)	<0.005	<0.005
5/7/2013	<0.005	<0.005		<0.005	0.0087	<0.005
5/8/2013			<0.005			
11/4/2013	<0.005	<0.005	<0.005	<0.005		
11/5/2013					<0.005	<0.005
5/23/2014					0.014 (O)	<0.005
5/24/2014	<0.005	<0.005	<0.005	<0.005		
11/7/2014			<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005	<0.005				
5/20/2015			<0.005	<0.005		
5/21/2015	<0.005	<0.005			<0.005	<0.005
11/12/2015					<0.005	<0.005
11/13/2015	<0.005	0.039 (O)	<0.005	<0.005		
4/6/2016	<0.005					
4/7/2016			0.00345 (J)	0.00265 (J)		0.00287 (J)
10/10/2016			<0.005	<0.005		
10/11/2016	<0.005	<0.005			<0.005	
10/14/2016						<0.005
4/7/2017		<0.005	<0.005	<0.005	<0.005	<0.005
4/10/2017	<0.005					
10/9/2017	<0.005	<0.005				
10/10/2017			<0.005	0.0096 (J)	<0.005	<0.005
3/22/2018			<0.005 (D)		<0.005	
3/23/2018				<0.005		<0.005
3/26/2018	<0.005	<0.005 (D)				
10/3/2018	<0.005	<0.005	<0.005			<0.005
10/4/2018				<0.005		
10/5/2018					<0.005	
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0046 (J)	0.0085	0.0095	0.0091	0.0049 (J)	0.0048 (J)
3/19/2020	<0.005	<0.005	0.0037 (J)	0.0035 (J)		<0.005
3/20/2020					<0.005	
9/10/2020	0.0048 (J)	<0.005				
9/11/2020			0.0098	0.0038 (J)	<0.005	<0.005
4/2/2021	<0.005	<0.005	0.0058			
4/5/2021				0.0049 (J)	<0.005	<0.005

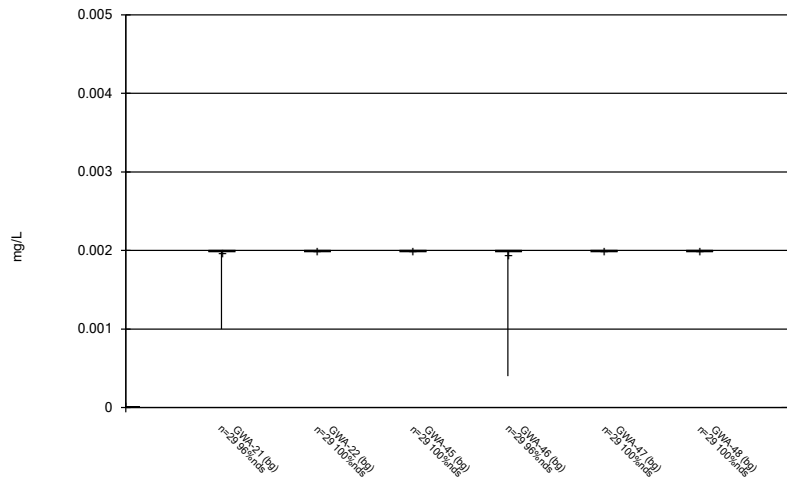
# Time Series

Constituent: Zinc, Total (mg/L) Analysis Run 6/21/2021 1:42 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.0095 (J)
12/21/2010	<0.005				<0.005	
12/22/2010		<0.005	<0.005	<0.005		
2/14/2011	<0.005					0.0092 (J)
2/15/2011		<0.005	<0.005	<0.005	<0.005	
3/21/2011	<0.005				<0.005	0.011 (J)
3/22/2011		<0.005	<0.005	<0.005		
4/26/2011	<0.005					
4/27/2011		<0.005	<0.005	<0.005		0.0096 (J)
4/28/2011					<0.005	
10/26/2011	<0.005	<0.005	<0.005	<0.005	<0.005	0.011 (J)
5/1/2012					<0.005	0.012 (J)
5/2/2012	<0.005	<0.005	<0.005	<0.005		
11/8/2012	<0.005	<0.005	<0.005	<0.005		
11/9/2012					<0.005	0.014 (J)
5/8/2013	<0.005	<0.005	<0.005	<0.005	<0.005	0.016 (J)
11/4/2013		<0.005	<0.005	<0.005	<0.005	0.014 (J)
11/5/2013	<0.005					
5/23/2014	<0.005					
5/24/2014		<0.005	<0.005	<0.005	<0.005	0.013 (J)
11/7/2014	<0.005	<0.005		<0.005	<0.005	0.014 (J)
11/8/2014			<0.005			
5/20/2015						0.015 (J)
5/21/2015	<0.005					
5/22/2015		<0.005	<0.005	<0.005	<0.005	
11/12/2015	<0.005					
11/13/2015		<0.005	<0.005	<0.005	<0.005	0.015 (J)
4/7/2016	0.00208 (J)					
4/11/2016		<0.005	<0.005	0.00333 (J)	<0.005	
10/11/2016	<0.005	<0.005	<0.005			
10/13/2016				<0.005	<0.005	0.015 (J)
4/7/2017	<0.005		<0.005			
4/10/2017		<0.005		<0.005		
4/11/2017					0.0065 (J)	0.015 (J)
10/10/2017	<0.005	<0.005	<0.005			
10/11/2017				<0.005	<0.005	0.019 (J)
3/22/2018	<0.005					
3/23/2018			<0.005			
3/26/2018		<0.005		<0.005	<0.005	0.016 (J)
10/3/2018	<0.005					
10/4/2018		<0.005	0.0076	<0.005	<0.005	0.017 (J)
3/27/2019	<0.005			<0.005		
3/28/2019		<0.005	<0.005		<0.005	0.013 (J)
9/12/2019	0.0041 (J)	0.0058	0.0057	0.0042 (J)	0.0073	0.02
3/19/2020	<0.005	<0.005	0.0037 (J)	<0.005	<0.005	0.014
9/10/2020	<0.005	<0.005	<0.005			
9/11/2020				<0.005	<0.005	0.014
4/5/2021				<0.005	<0.005	
4/6/2021	<0.005	<0.005	<0.005			0.014

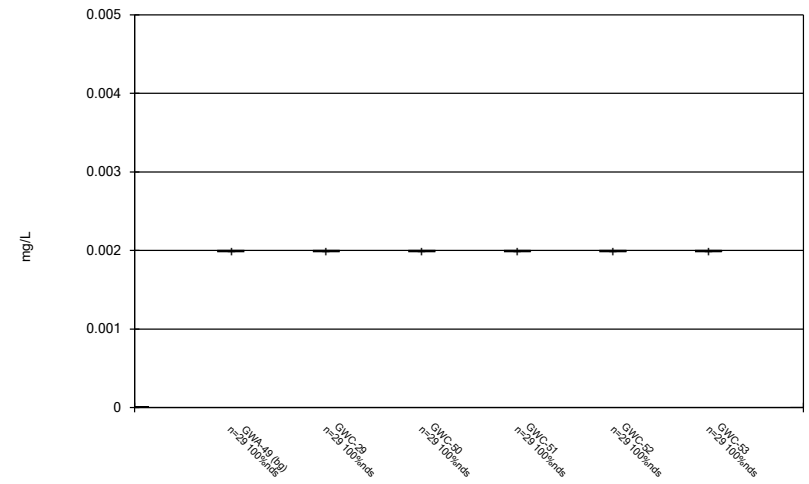
FIGURE B.

### Box & Whiskers Plot



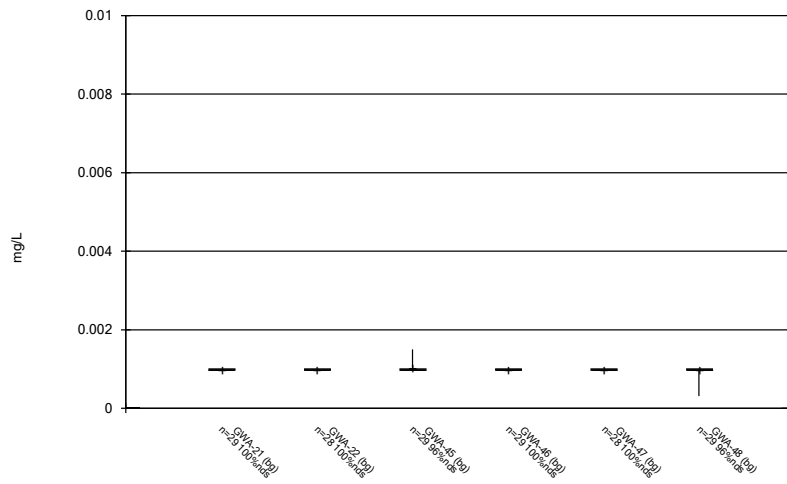
Constituent: Antimony, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



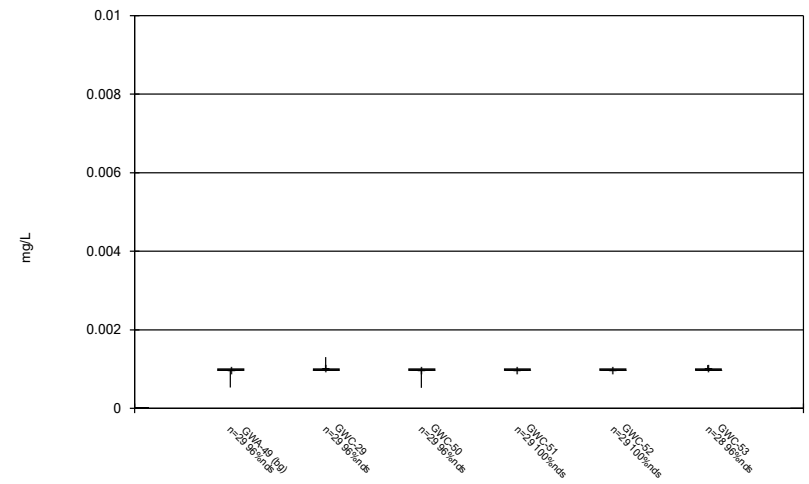
Constituent: Antimony, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



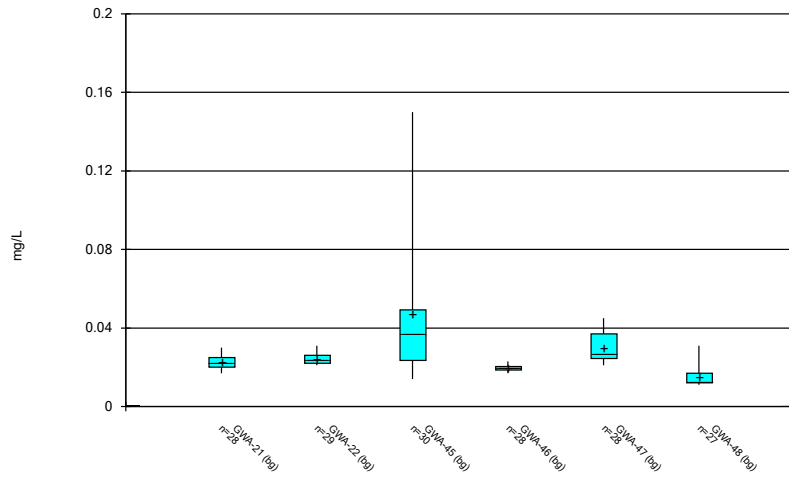
Constituent: Arsenic, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



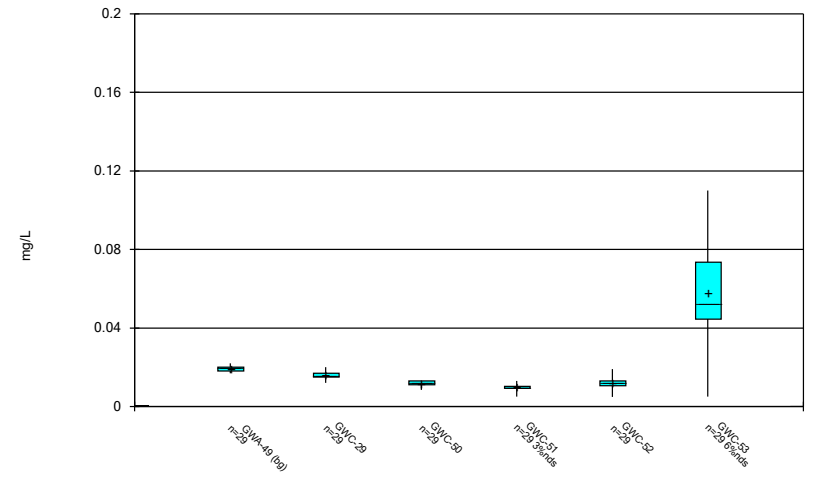
Constituent: Arsenic, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



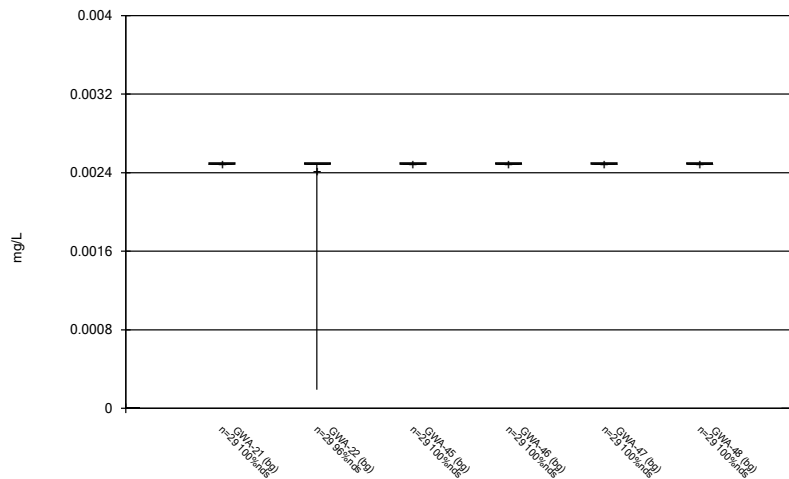
Constituent: Barium, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



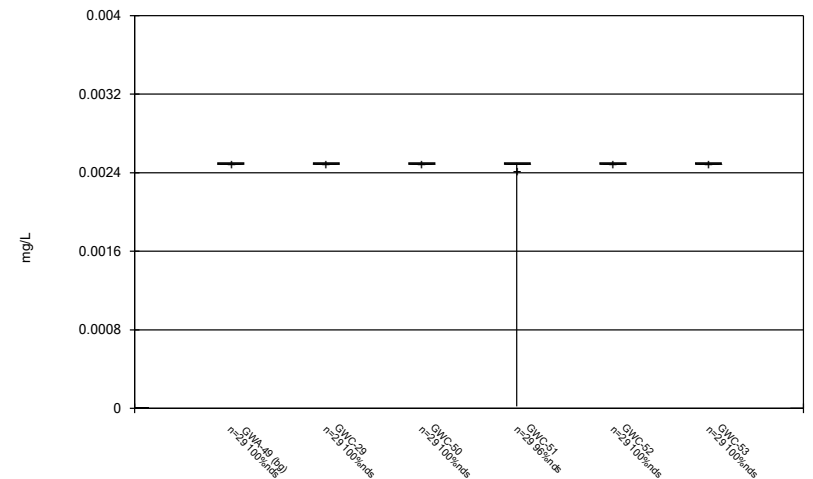
Constituent: Barium, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



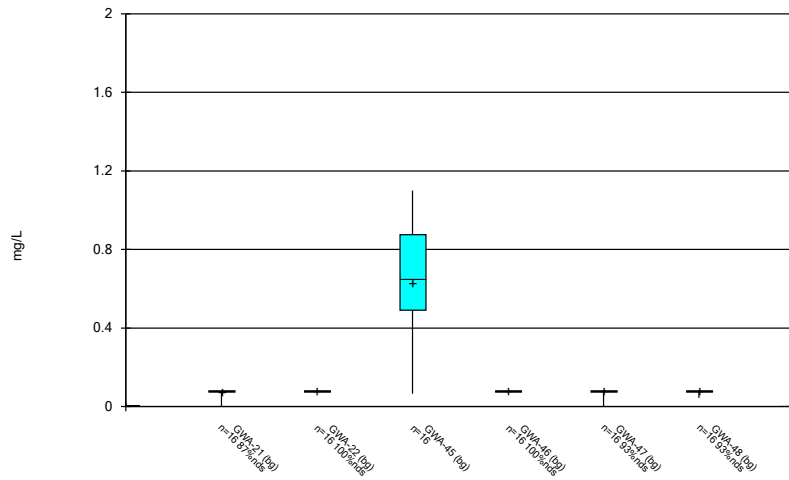
Constituent: Beryllium, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



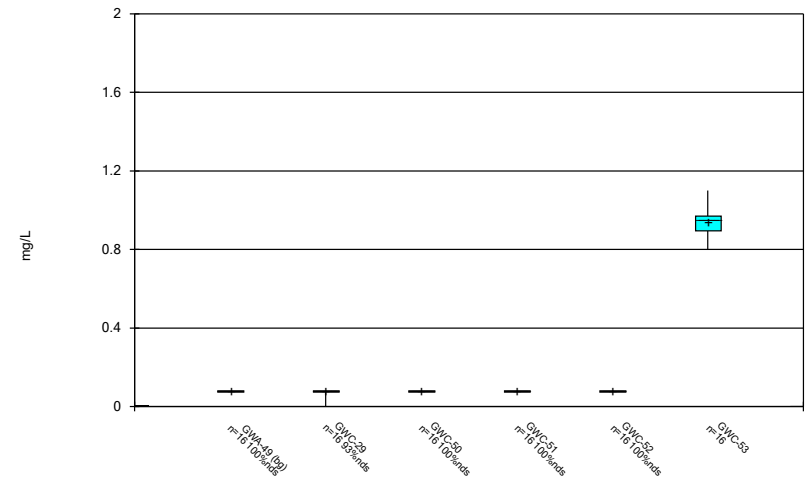
Constituent: Beryllium, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



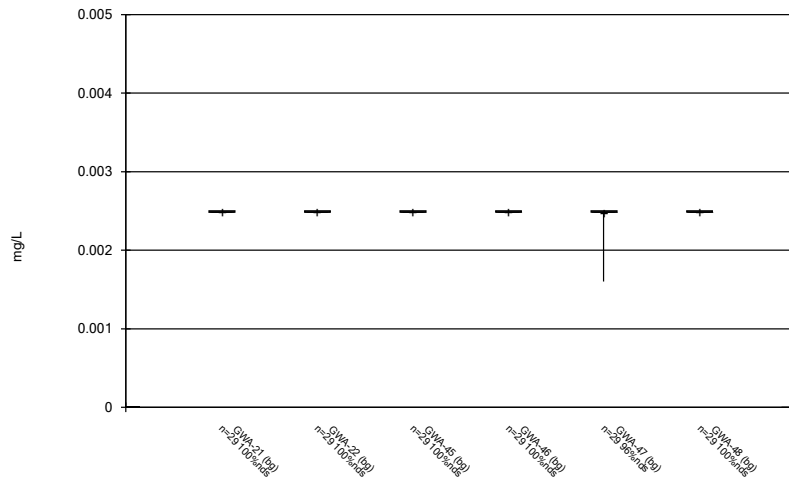
Constituent: Boron, total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



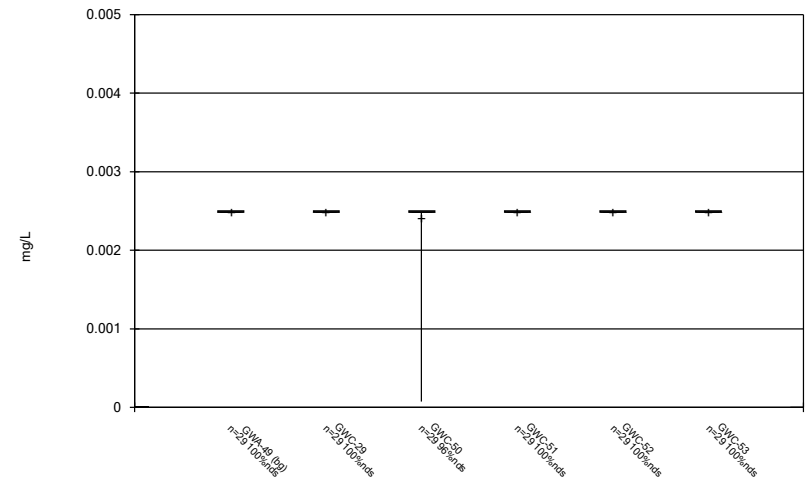
Constituent: Boron, total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Cadmium, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

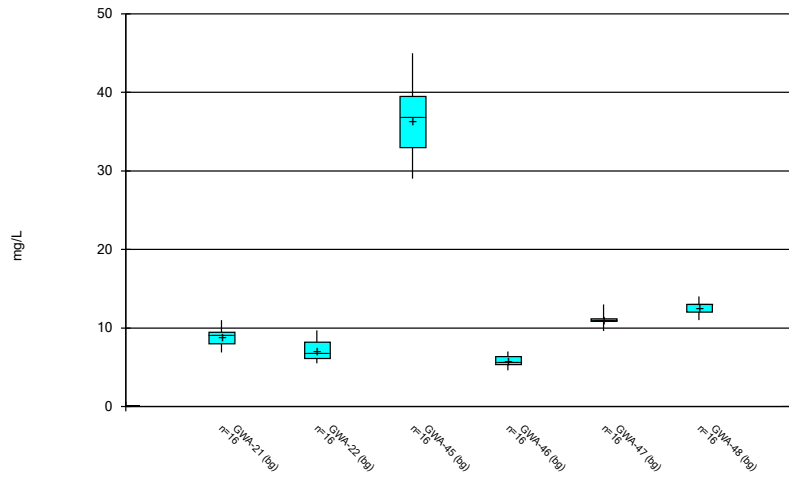
Box & Whiskers Plot



Constituent: Cadmium, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

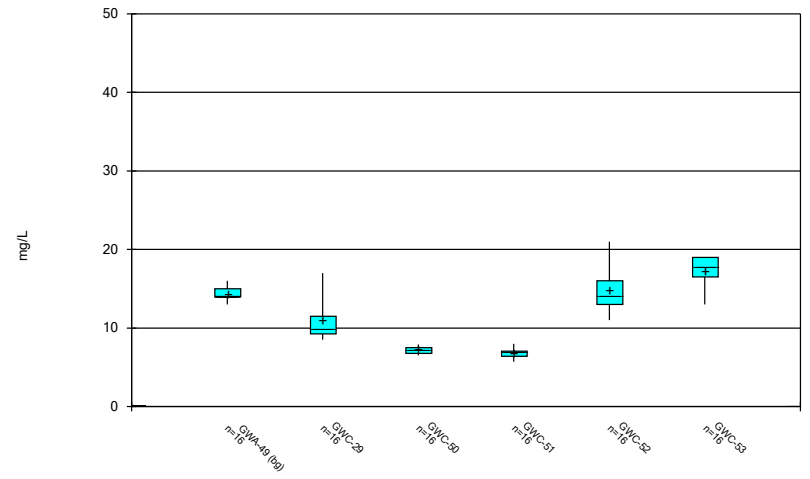


### Box & Whiskers Plot



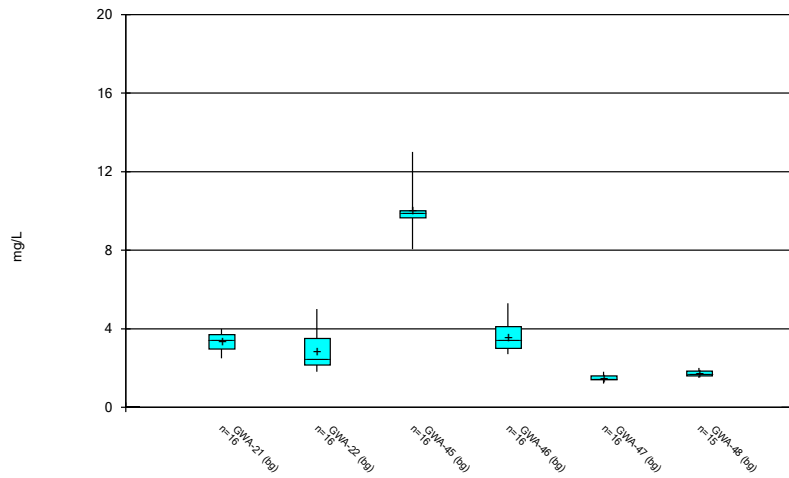
Constituent: Calcium, total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



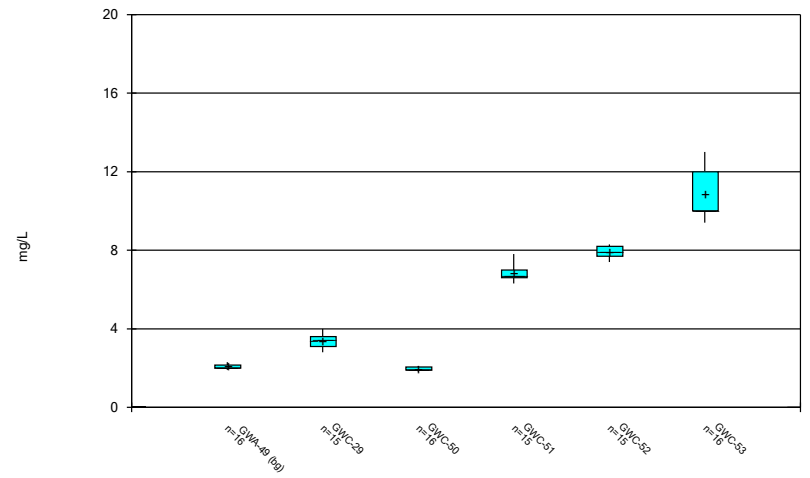
Constituent: Calcium, total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



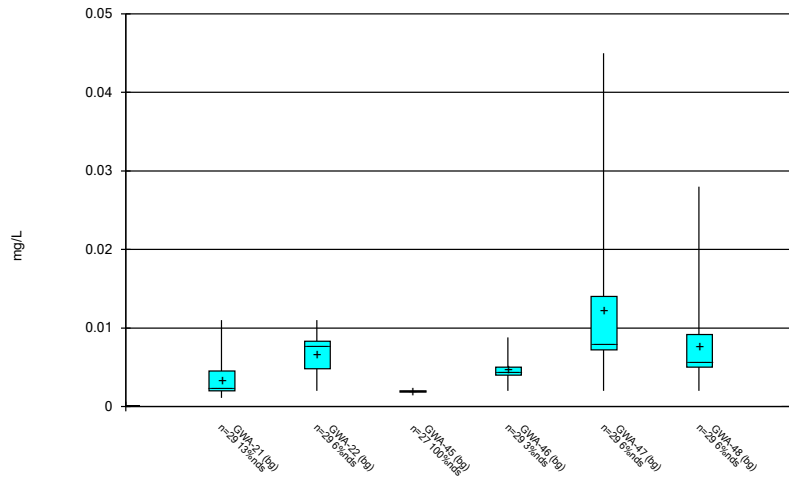
Constituent: Chloride, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



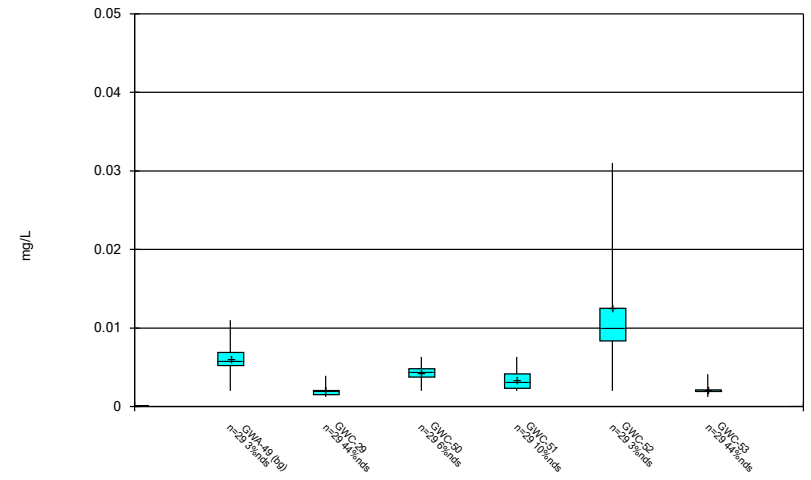
Constituent: Chloride, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



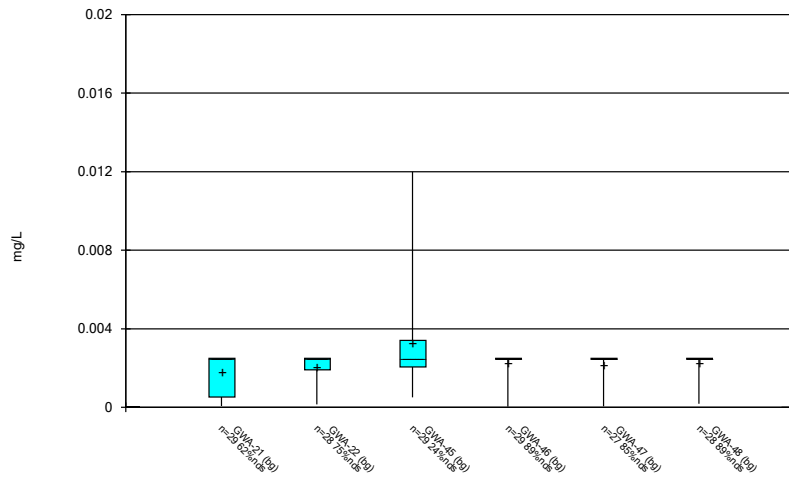
Constituent: Chromium, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



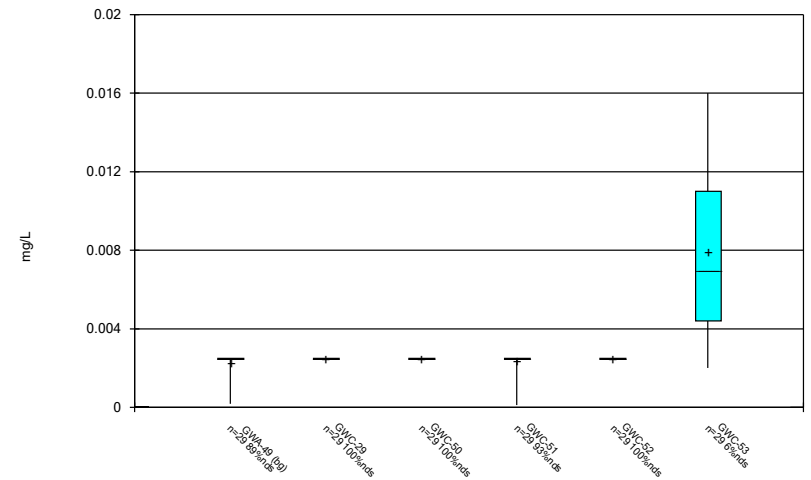
Constituent: Chromium, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



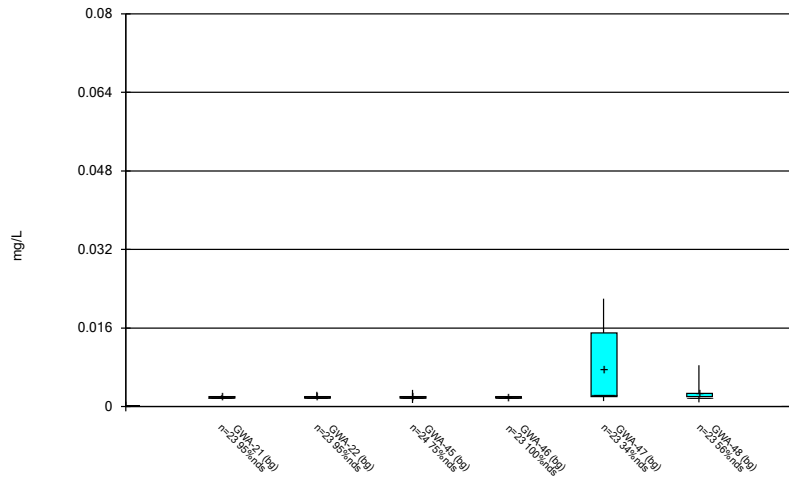
Constituent: Cobalt, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



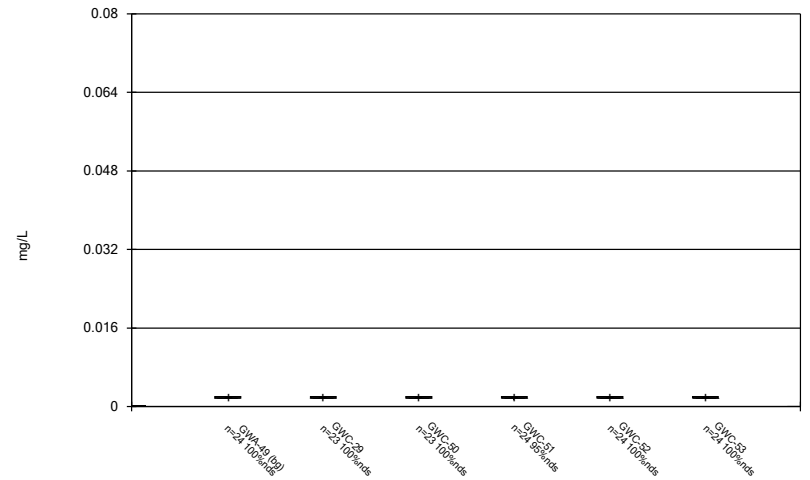
Constituent: Cobalt, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



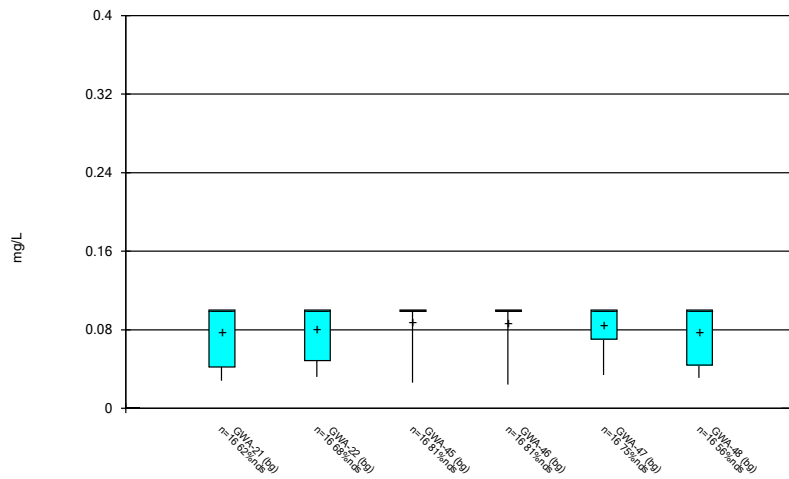
Constituent: Copper, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



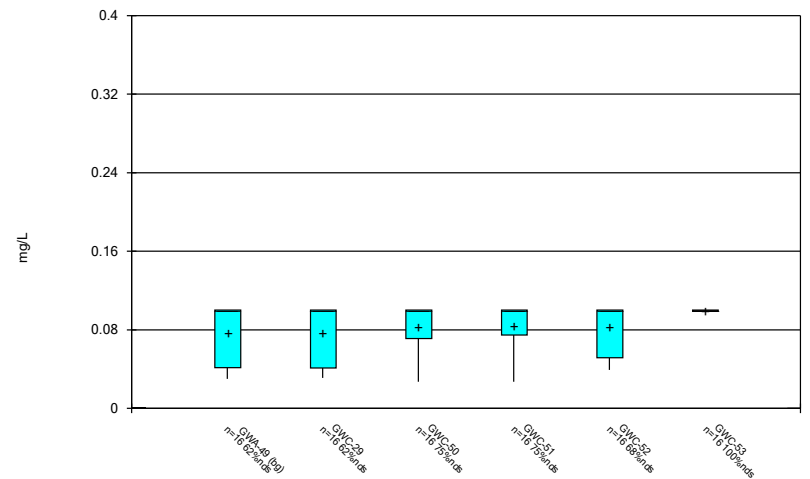
Constituent: Copper, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



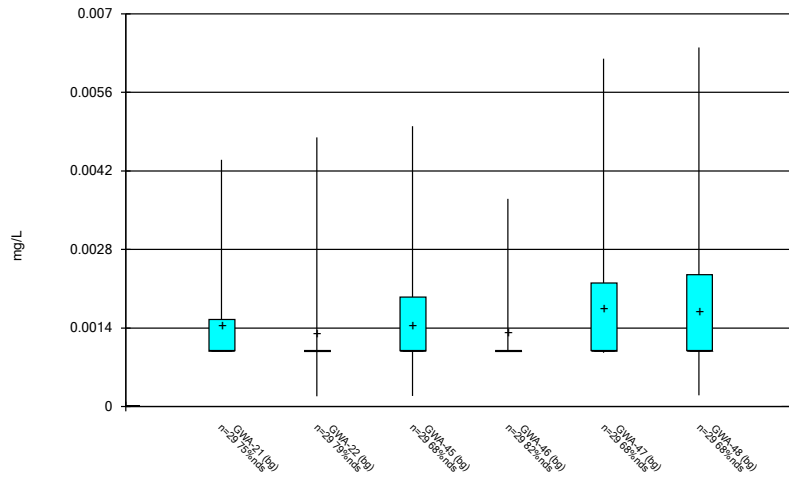
Constituent: Fluoride, total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



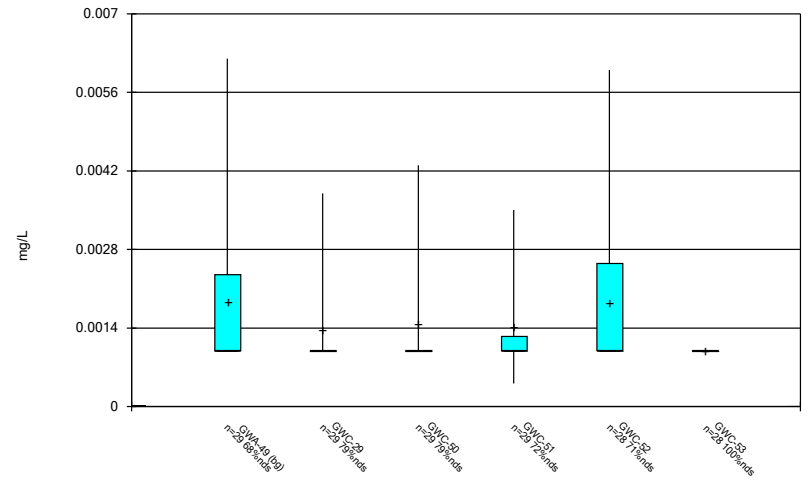
Constituent: Fluoride, total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



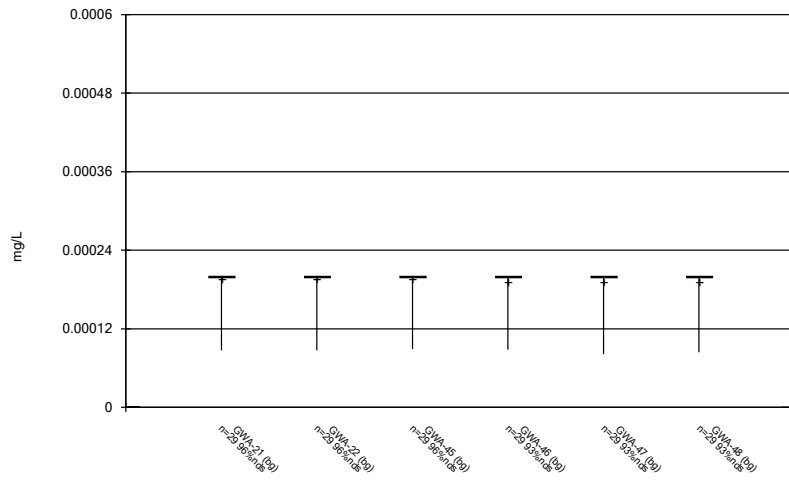
Constituent: Lead, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



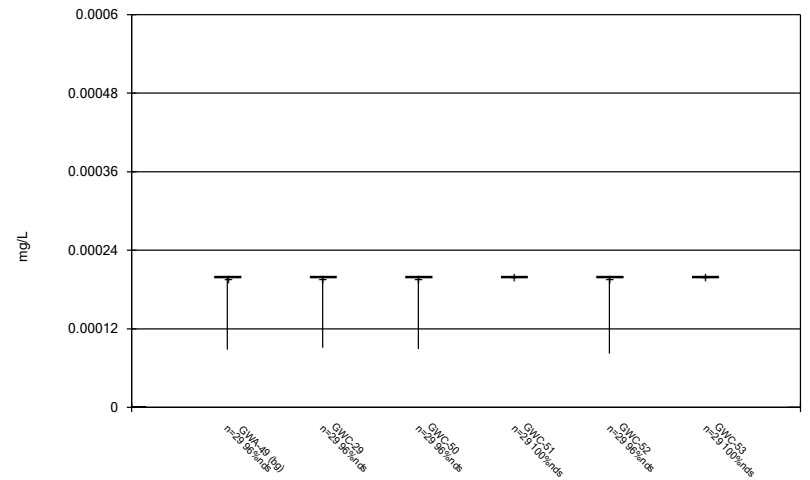
Constituent: Lead, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



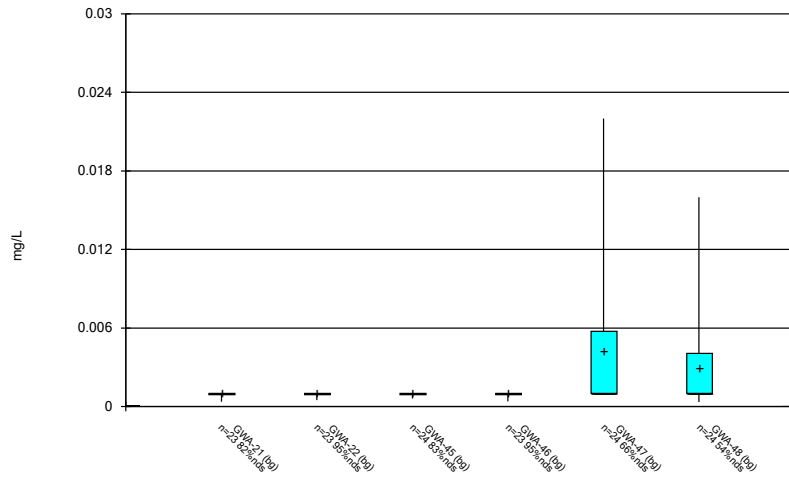
Constituent: Mercury, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



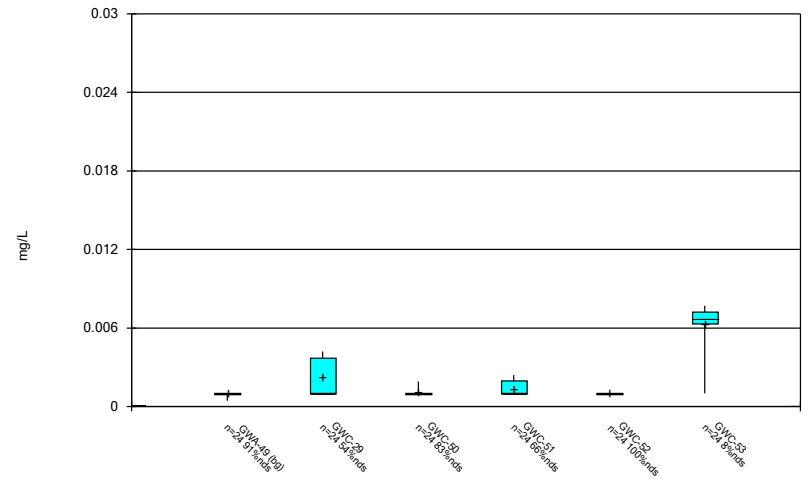
Constituent: Mercury, Total Analysis Run 6/23/2021 4:07 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



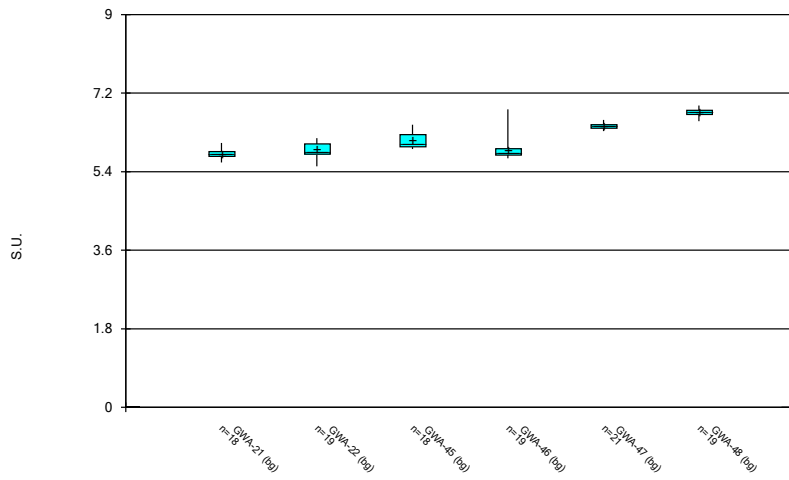
Constituent: Nickel, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



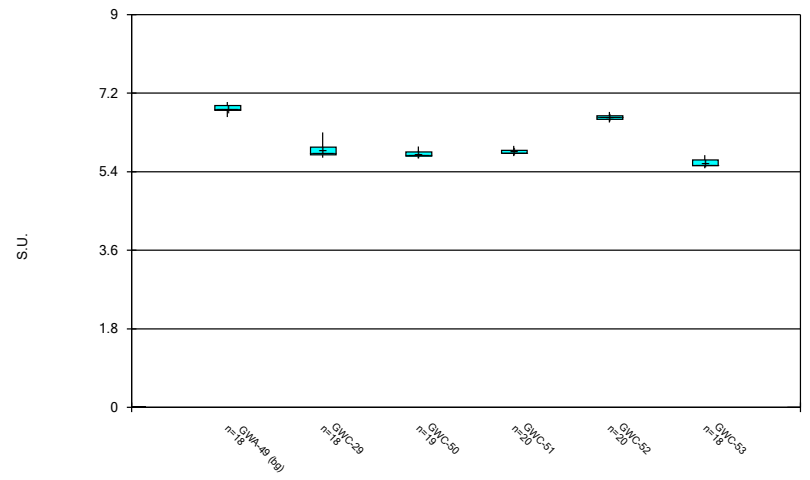
Constituent: Nickel, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



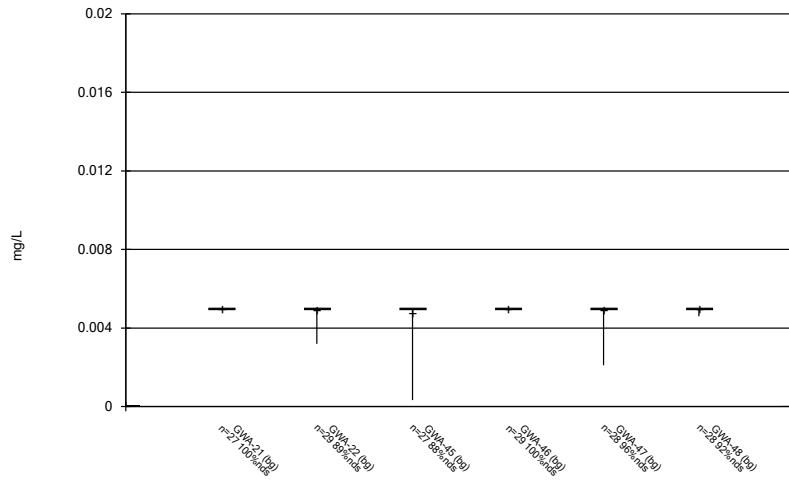
Constituent: pH Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



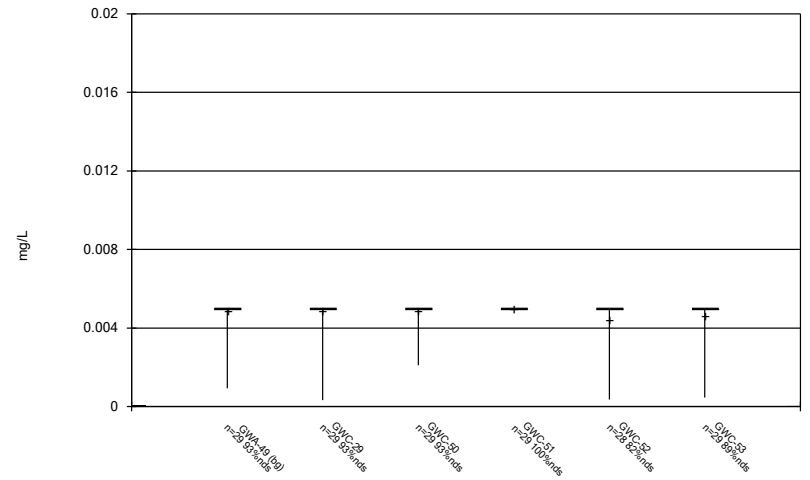
Constituent: pH Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



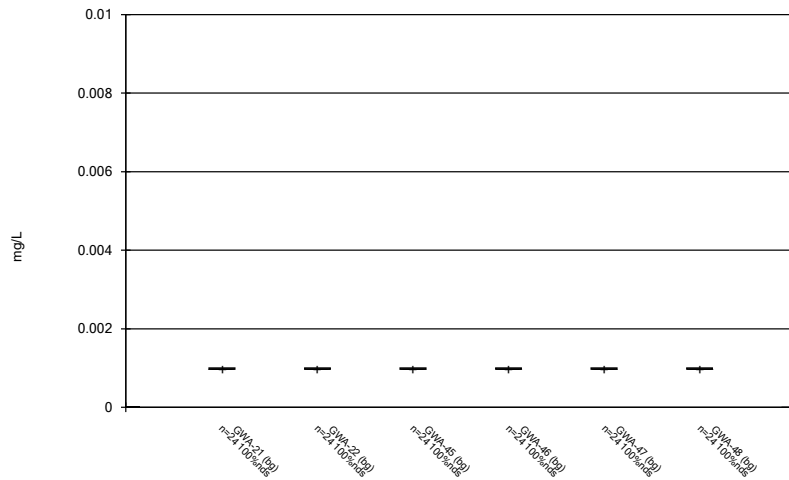
Constituent: Selenium, Total Analysis Run 6/23/2021 4:07 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



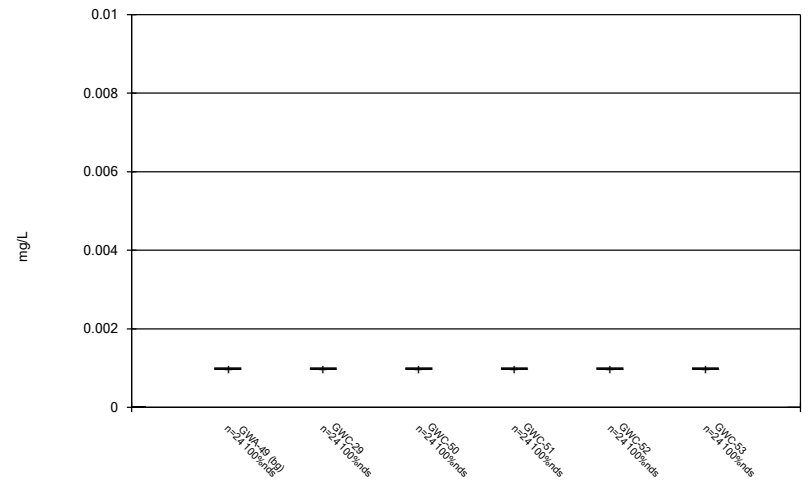
Constituent: Selenium, Total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



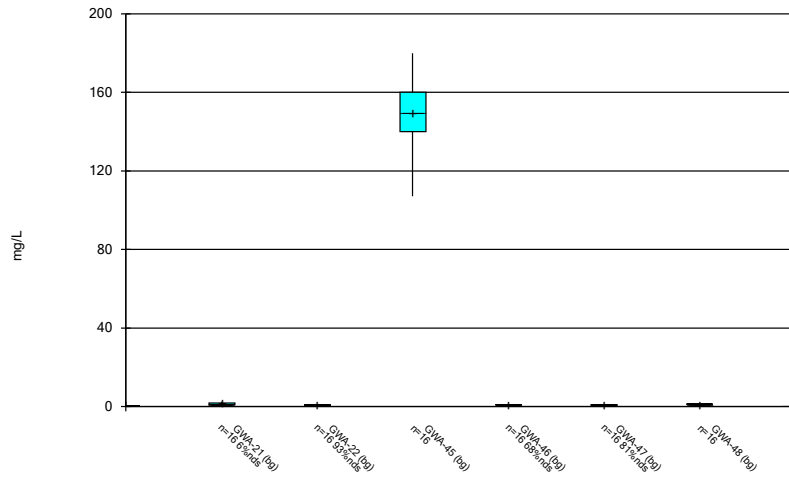
Constituent: Silver, Total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



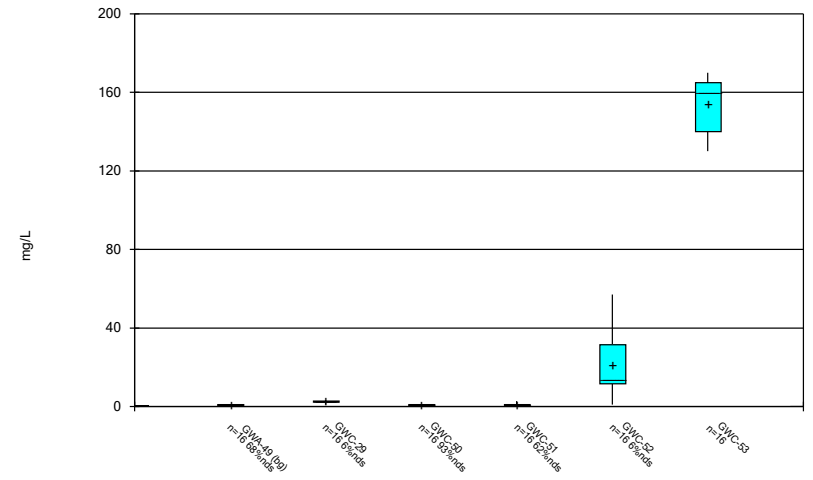
Constituent: Silver, Total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



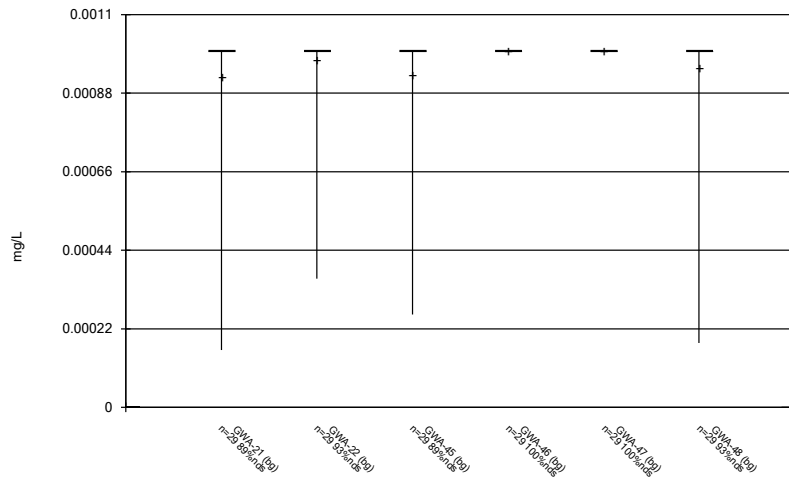
Constituent: Sulfate, total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



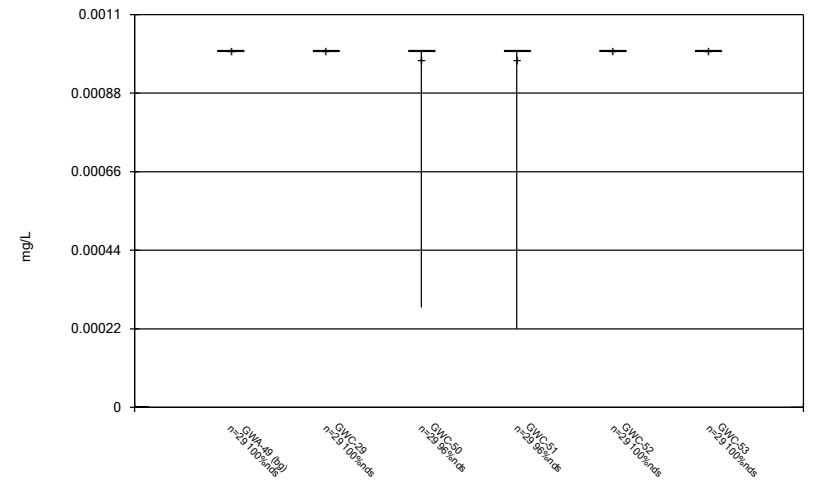
Constituent: Sulfate, total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



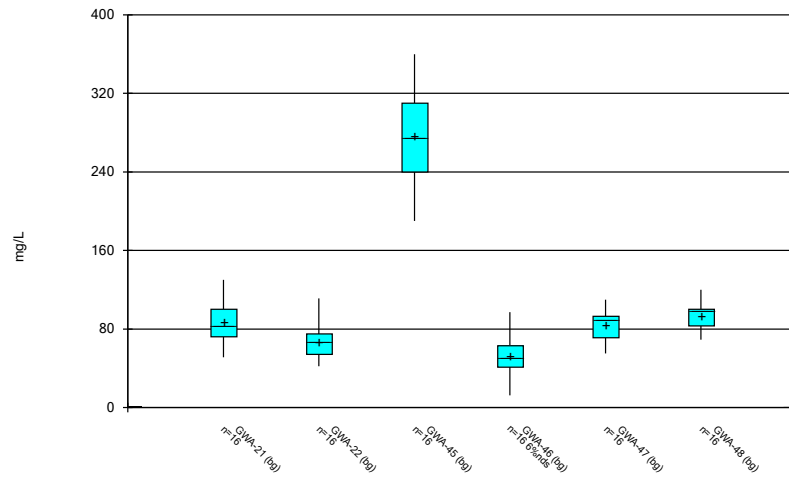
Constituent: Thallium, Total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



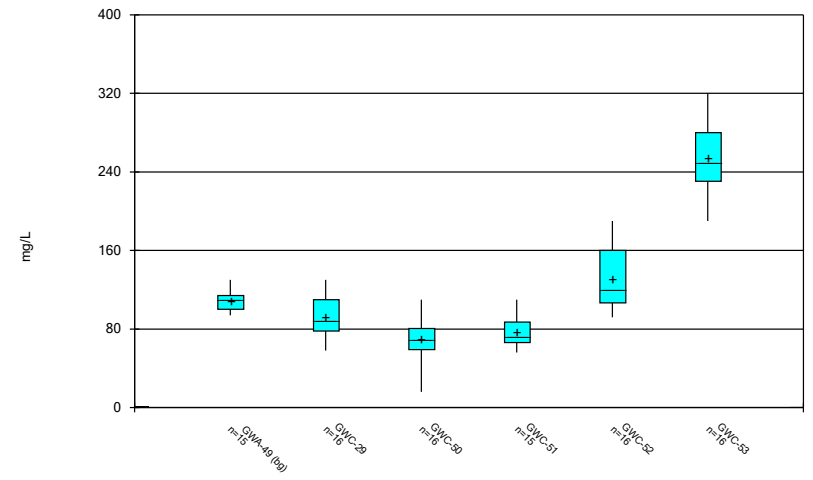
Constituent: Thallium, Total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



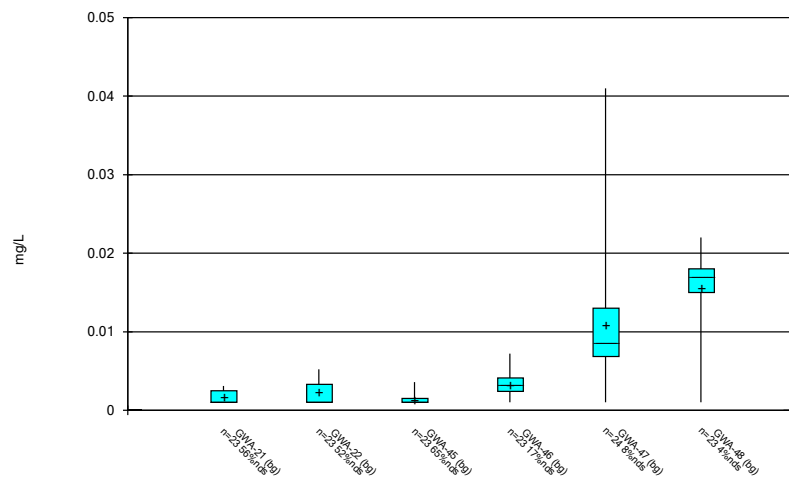
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



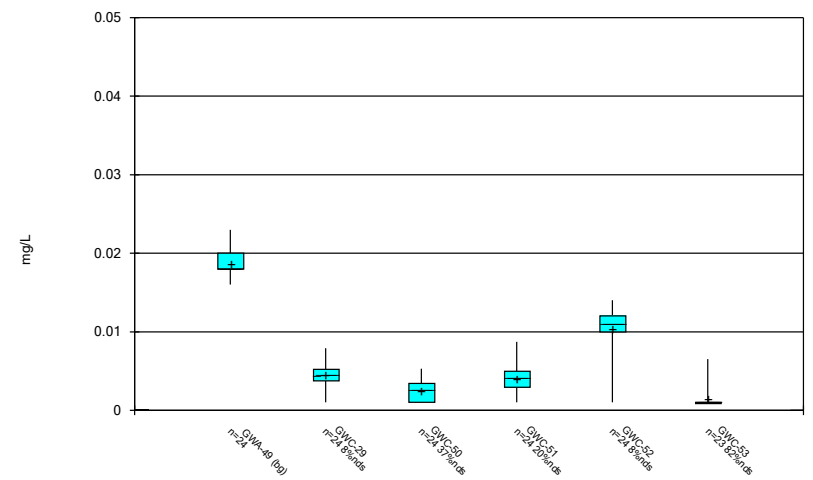
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Vanadium, Total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

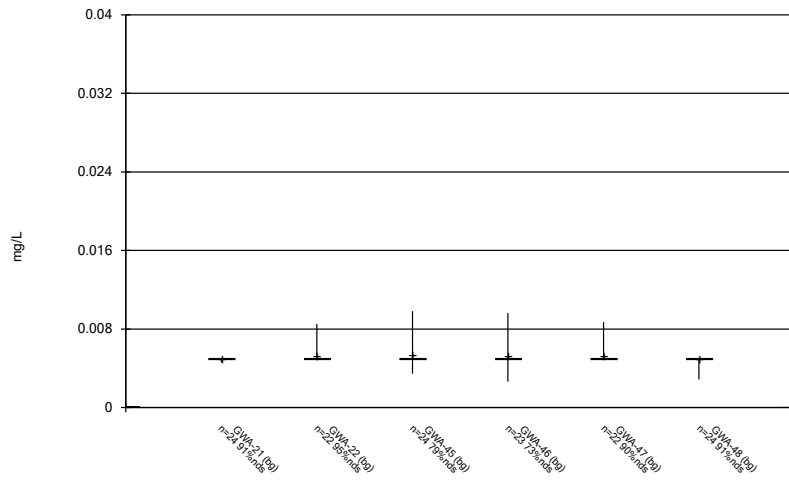
Box & Whiskers Plot



Constituent: Vanadium, Total Analysis Run 6/23/2021 4:08 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

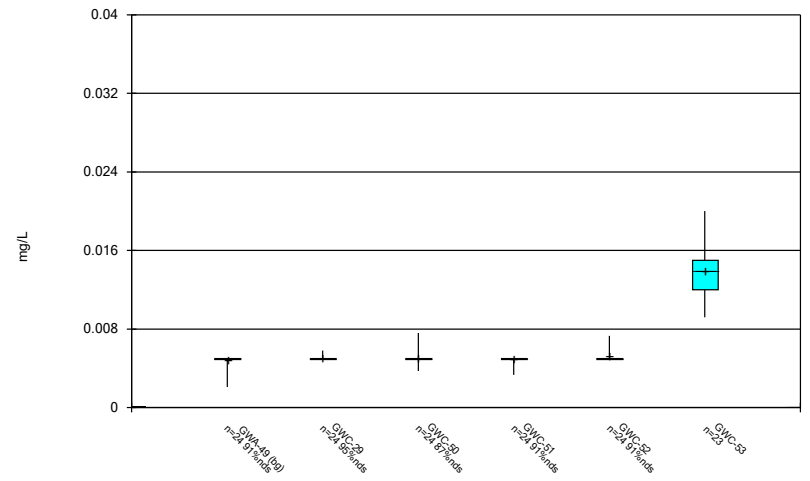


### Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 6/23/2021 4:08 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 6/23/2021 4:08 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

FIGURE C.









FIGURE D.

# Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-45 (bg)	3.437	Yes	Mann-W
Barium, Total (mg/L)	GWA-46 (bg)	3.133	Yes	Mann-W
Barium, Total (mg/L)	GWC-29	3.03	Yes	Mann-W
Barium, Total (mg/L)	GWC-52	3.169	Yes	Mann-W
Barium, Total (mg/L)	GWC-53	-2.728	Yes	Mann-W
Chromium, Total (mg/L)	GWC-52	3.125	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-46 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-49 (bg)	-2.873	Yes	Mann-W
Nickel, Total (mg/L)	GWA-21 (bg)	-3.922	Yes	Mann-W
Nickel, Total (mg/L)	GWA-45 (bg)	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWA-49 (bg)	-3.234	Yes	Mann-W
Nickel, Total (mg/L)	GWC-50	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWC-51	-3.237	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-21 (bg)	2.898	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-45 (bg)	3.037	Yes	Mann-W
Zinc, Total (mg/L)	GWA-21 (bg)	-3.234	Yes	Mann-W



# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

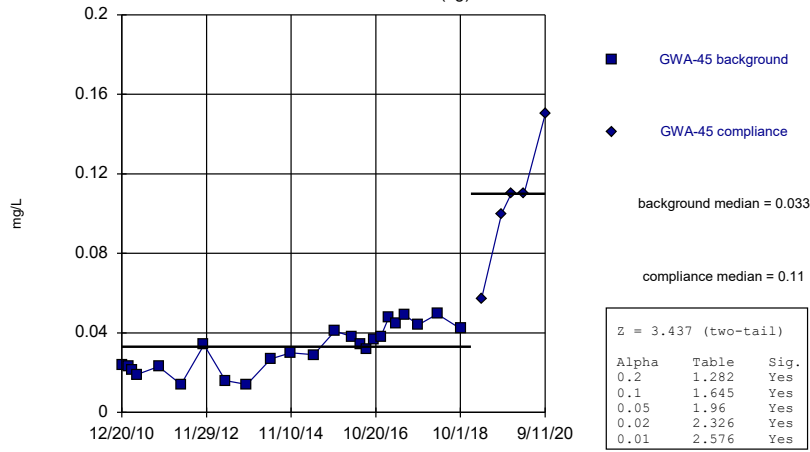
Constituent	Well	Calc.	0.01	Method
Antimony, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Antimony, Total (mg/L)	GWA-46 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWA-45 (bg)	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-29	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-53	-0.5213	No	Mann-W
Barium, Total (mg/L)	GWA-21 (bg)	1.612	No	Mann-W
Barium, Total (mg/L)	GWA-22 (bg)	-1.425	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>3.437</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>3.133</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWA-47 (bg)	-0.06857	No	Mann-W
Barium, Total (mg/L)	GWA-48 (bg)	1.172	No	Mann-W
Barium, Total (mg/L)	GWA-49 (bg)	1.171	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>3.03</b>	<b>Yes</b>	<b>Mann-W</b>
Barium, Total (mg/L)	GWC-50	2.003	No	Mann-W
Barium, Total (mg/L)	GWC-51	2.381	No	Mann-W
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>3.169</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Barium, Total (mg/L)</b>	<b>GWC-53</b>	<b>-2.728</b>	<b>Yes</b>	<b>Mann-W</b>
Beryllium, Total (mg/L)	GWC-51	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWA-47 (bg)	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Chromium, Total (mg/L)	GWA-21 (bg)	-0.5919	No	Mann-W
Chromium, Total (mg/L)	GWA-22 (bg)	1.347	No	Mann-W
Chromium, Total (mg/L)	GWA-46 (bg)	0.1643	No	Mann-W
Chromium, Total (mg/L)	GWA-47 (bg)	-0.03286	No	Mann-W
Chromium, Total (mg/L)	GWA-48 (bg)	-0.2958	No	Mann-W
Chromium, Total (mg/L)	GWA-49 (bg)	0.2301	No	Mann-W
Chromium, Total (mg/L)	GWC-29	-0.3087	No	Mann-W
Chromium, Total (mg/L)	GWC-50	0.5923	No	Mann-W
Chromium, Total (mg/L)	GWC-51	1.316	No	Mann-W
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>3.125</b>	<b>Yes</b>	<b>Mann-W</b>
Chromium, Total (mg/L)	GWC-53	0.1026	No	Mann-W
Cobalt, Total (mg/L)	GWA-21 (bg)	-1.455	No	Mann-W
Cobalt, Total (mg/L)	GWA-22 (bg)	-0.4219	No	Mann-W
Cobalt, Total (mg/L)	GWA-45 (bg)	-2.25	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>-2.628</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWA-47 (bg)	-0.9603	No	Mann-W
Cobalt, Total (mg/L)	GWA-48 (bg)	-1.427	No	Mann-W
<b>Cobalt, Total (mg/L)</b>	<b>GWA-49 (bg)</b>	<b>-2.873</b>	<b>Yes</b>	<b>Mann-W</b>
Cobalt, Total (mg/L)	GWC-51	-2.552	No	Mann-W
Cobalt, Total (mg/L)	GWC-53	-0.1647	No	Mann-W
Copper, Total (mg/L)	GWA-21 (bg)	2.003	No	Mann-W
Copper, Total (mg/L)	GWA-22 (bg)	-0.5893	No	Mann-W
Copper, Total (mg/L)	GWA-45 (bg)	0.7352	No	Mann-W
Copper, Total (mg/L)	GWA-47 (bg)	-2.53	No	Mann-W
Copper, Total (mg/L)	GWA-48 (bg)	-1.385	No	Mann-W
Copper, Total (mg/L)	GWC-51	-2.294	No	Mann-W
Lead, Total (mg/L)	GWA-21 (bg)	-0.2158	No	Mann-W
Lead, Total (mg/L)	GWA-22 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-45 (bg)	0.1979	No	Mann-W
Lead, Total (mg/L)	GWA-46 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-47 (bg)	-1.148	No	Mann-W
Lead, Total (mg/L)	GWA-48 (bg)	-1.94	No	Mann-W
Lead, Total (mg/L)	GWA-49 (bg)	-1.464	No	Mann-W
Lead, Total (mg/L)	GWC-29	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-50	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-51	-0.1647	No	Mann-W
Lead, Total (mg/L)	GWC-52	-1.395	No	Mann-W

# Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

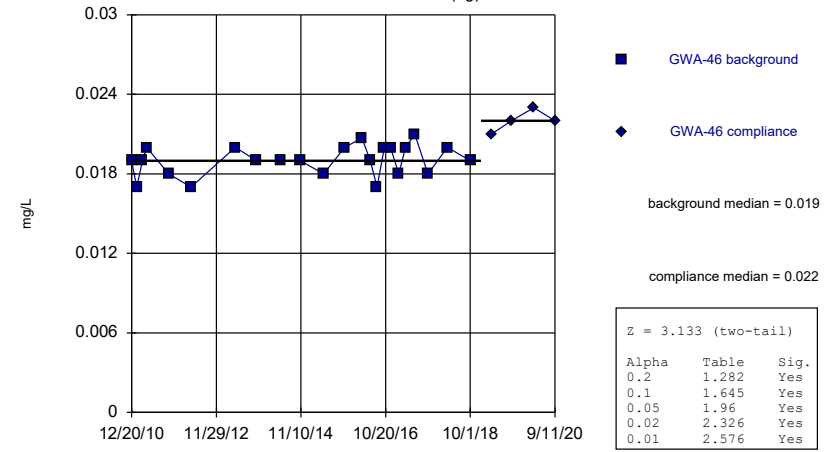
Constituent	Well	Calc.	0.01	Method
Mercury, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-45 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-46 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-47 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-48 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-29	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-52	0.3062	No	Mann-W
<b>Nickel, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-3.922</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel, Total (mg/L)	GWA-46 (bg)	-2.239	No	Mann-W
Nickel, Total (mg/L)	GWA-47 (bg)	-1.574	No	Mann-W
Nickel, Total (mg/L)	GWA-48 (bg)	-2.105	No	Mann-W
<b>Nickel, Total (mg/L)</b>	<b>GWA-49 (bg)</b>	<b>-3.234</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel, Total (mg/L)	GWC-29	-2.467	No	Mann-W
<b>Nickel, Total (mg/L)</b>	<b>GWC-50</b>	<b>-4.017</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Nickel, Total (mg/L)</b>	<b>GWC-51</b>	<b>-3.237</b>	<b>Yes</b>	<b>Mann-W</b>
Nickel, Total (mg/L)	GWC-53	0.8538	No	Mann-W
Selenium, Total (mg/L)	GWA-22 (bg)	0.6723	No	Mann-W
Selenium, Total (mg/L)	GWA-45 (bg)	0.7043	No	Mann-W
Selenium, Total (mg/L)	GWA-47 (bg)	0.3128	No	Mann-W
Selenium, Total (mg/L)	GWA-48 (bg)	0.5259	No	Mann-W
Selenium, Total (mg/L)	GWA-49 (bg)	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-29	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-50	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-52	0.9566	No	Mann-W
Selenium, Total (mg/L)	GWC-53	0.6723	No	Mann-W
Thallium, Total (mg/L)	GWA-21 (bg)	0.5145	No	Mann-W
Thallium, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Thallium, Total (mg/L)	GWA-45 (bg)	-0.9168	No	Mann-W
Thallium, Total (mg/L)	GWA-48 (bg)	-2.552	No	Mann-W
Thallium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
<b>Vanadium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>2.898</b>	<b>Yes</b>	<b>Mann-W</b>
Vanadium, Total (mg/L)	GWA-22 (bg)	1.621	No	Mann-W
<b>Vanadium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>3.037</b>	<b>Yes</b>	<b>Mann-W</b>
Vanadium, Total (mg/L)	GWA-46 (bg)	-0.1284	No	Mann-W
Vanadium, Total (mg/L)	GWA-47 (bg)	-0.1625	No	Mann-W
Vanadium, Total (mg/L)	GWA-48 (bg)	2.536	No	Mann-W
Vanadium, Total (mg/L)	GWA-49 (bg)	1.518	No	Mann-W
Vanadium, Total (mg/L)	GWC-29	1.543	No	Mann-W
Vanadium, Total (mg/L)	GWC-50	-0.8783	No	Mann-W
Vanadium, Total (mg/L)	GWC-51	0.4492	No	Mann-W
Vanadium, Total (mg/L)	GWC-52	-1.528	No	Mann-W
Vanadium, Total (mg/L)	GWC-53	0.3795	No	Mann-W
<b>Zinc, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-3.234</b>	<b>Yes</b>	<b>Mann-W</b>
Zinc, Total (mg/L)	GWA-22 (bg)	1.94	No	Mann-W
Zinc, Total (mg/L)	GWA-45 (bg)	1.289	No	Mann-W
Zinc, Total (mg/L)	GWA-46 (bg)	-0.9853	No	Mann-W
Zinc, Total (mg/L)	GWA-47 (bg)	-1.845	No	Mann-W
Zinc, Total (mg/L)	GWA-48 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWA-49 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-29	2.065	No	Mann-W
Zinc, Total (mg/L)	GWC-50	-0.3463	No	Mann-W
Zinc, Total (mg/L)	GWC-51	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-52	1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-53	0.4297	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)  
GWA-45 (bg)



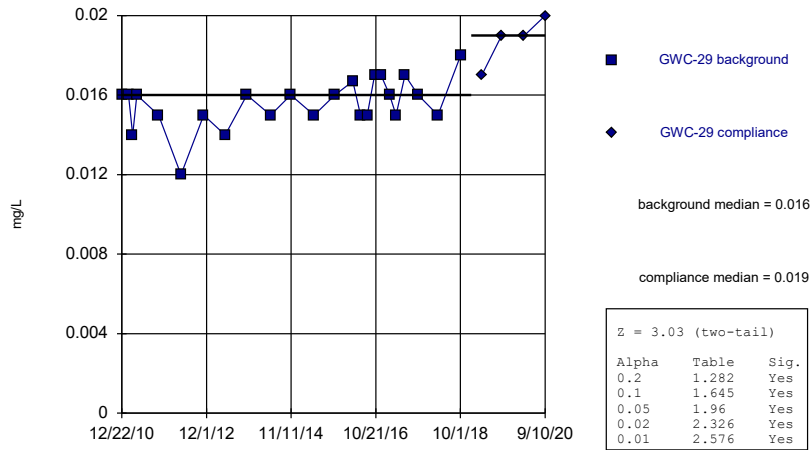
Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)  
GWA-46 (bg)



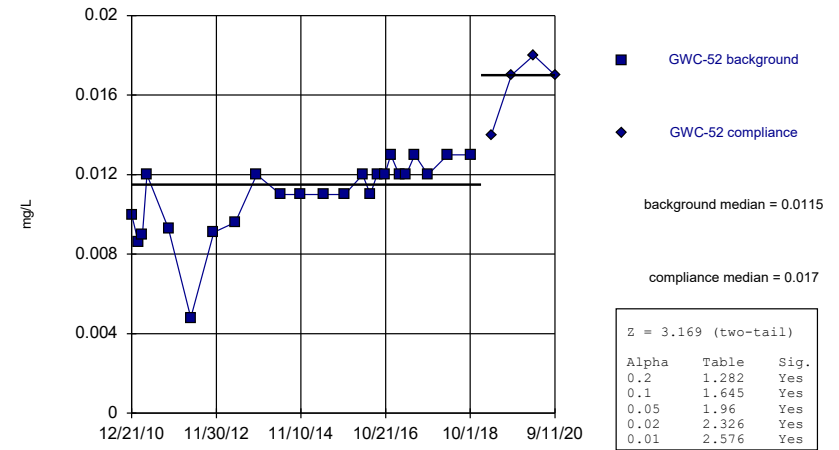
Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)  
GWC-29



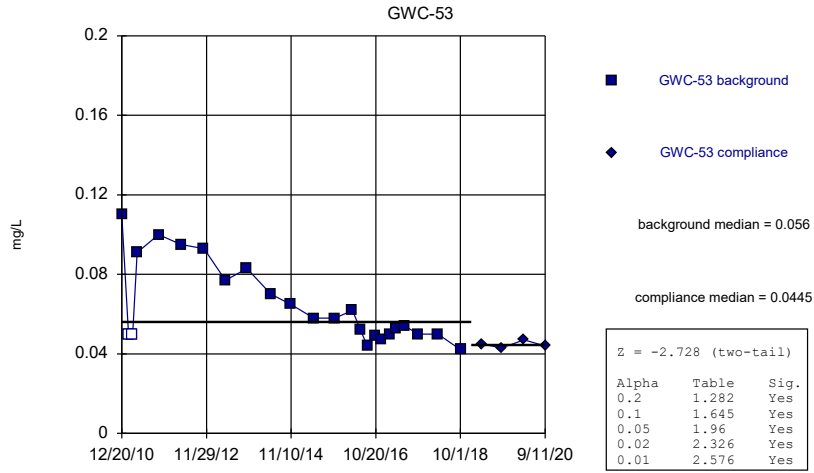
Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)  
GWC-52



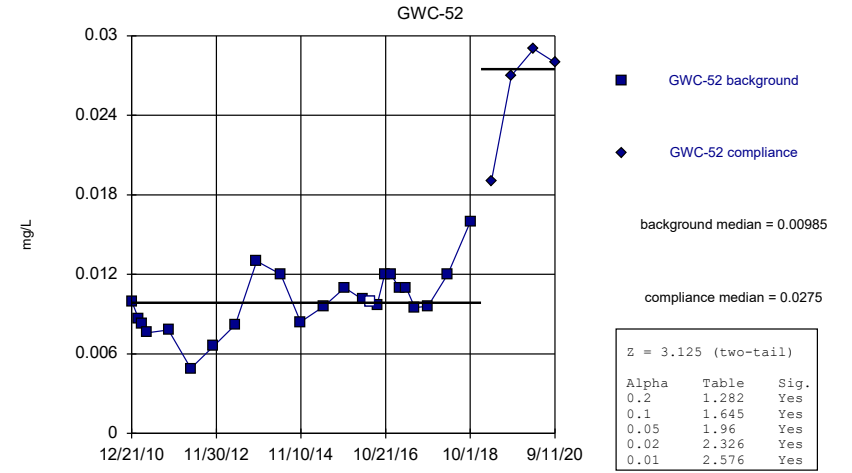
Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



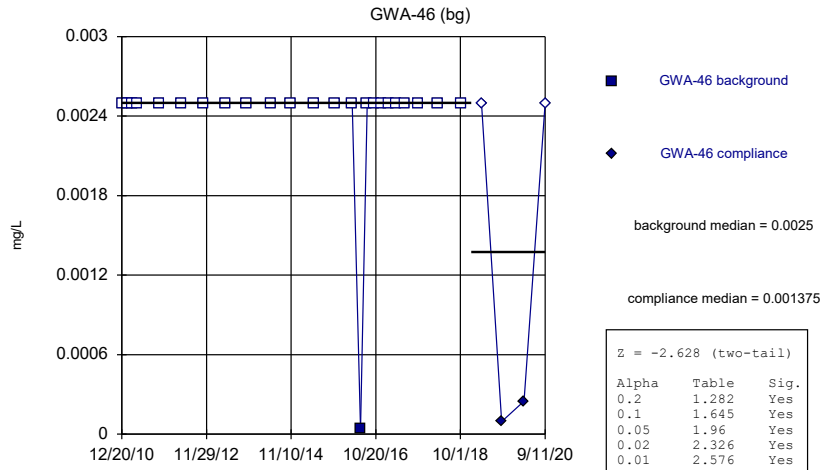
Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



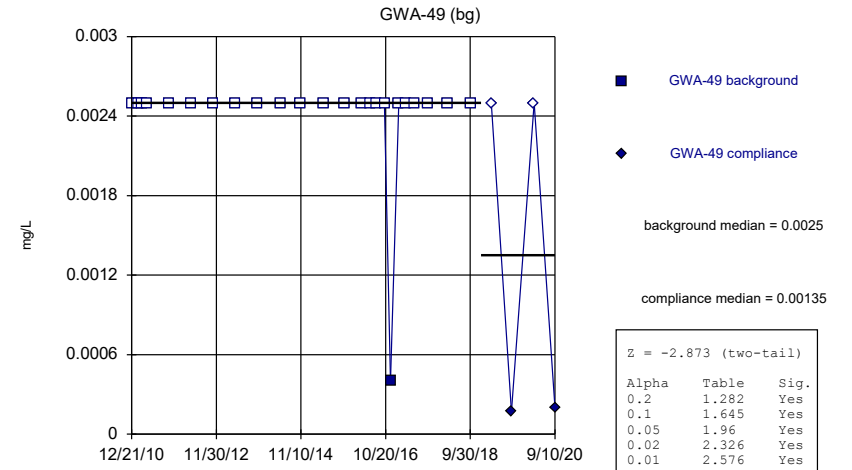
Constituent: Chromium, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



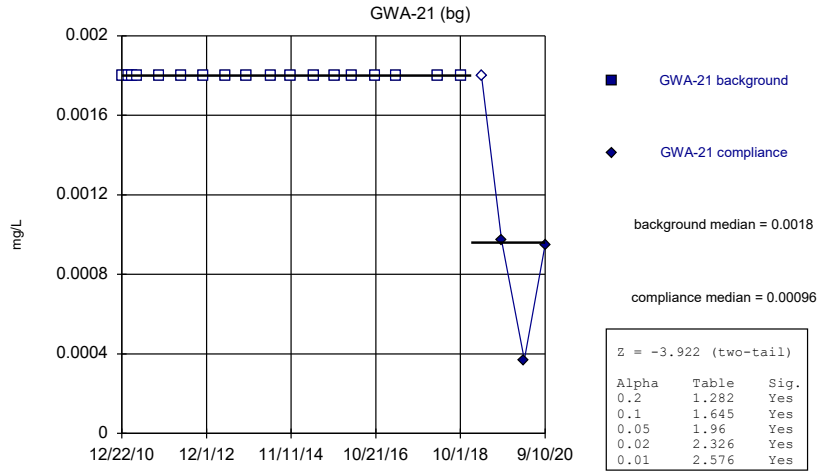
Constituent: Cobalt, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



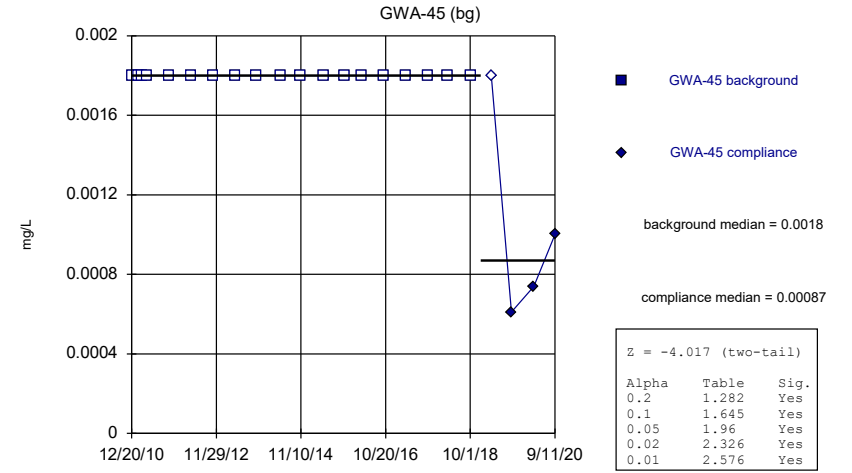
Constituent: Cobalt, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



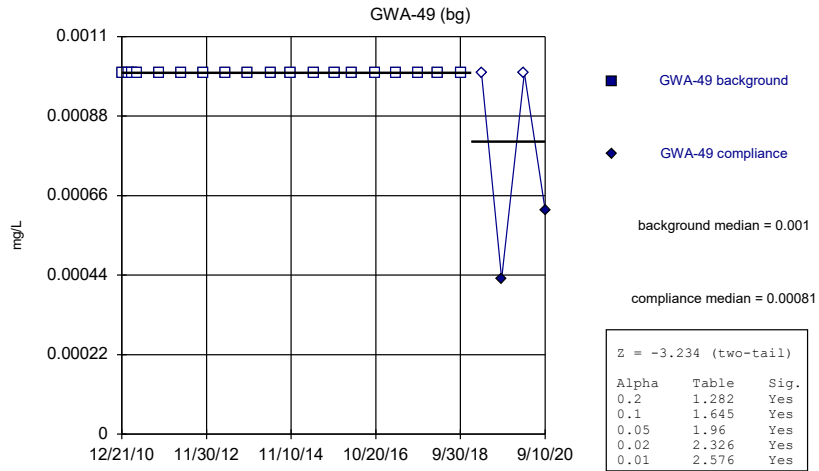
Constituent: Nickel, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



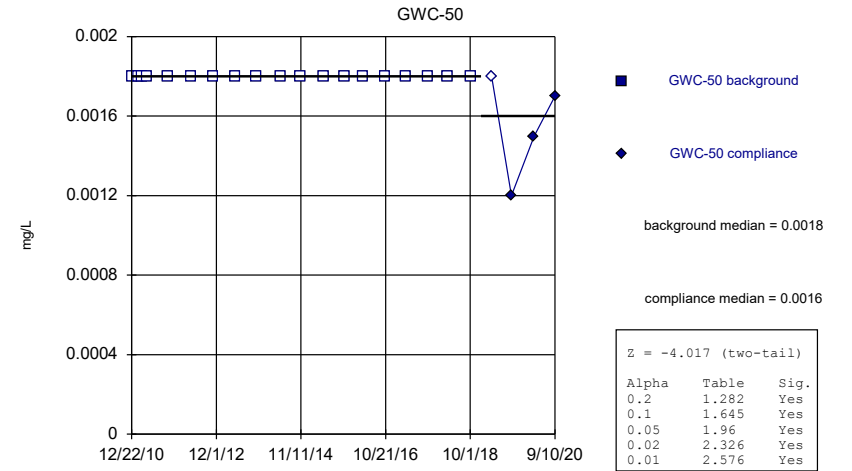
Constituent: Nickel, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



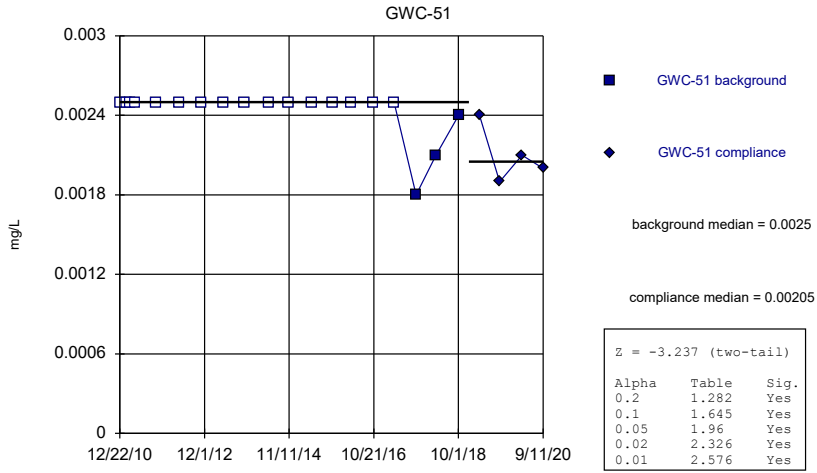
Constituent: Nickel, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



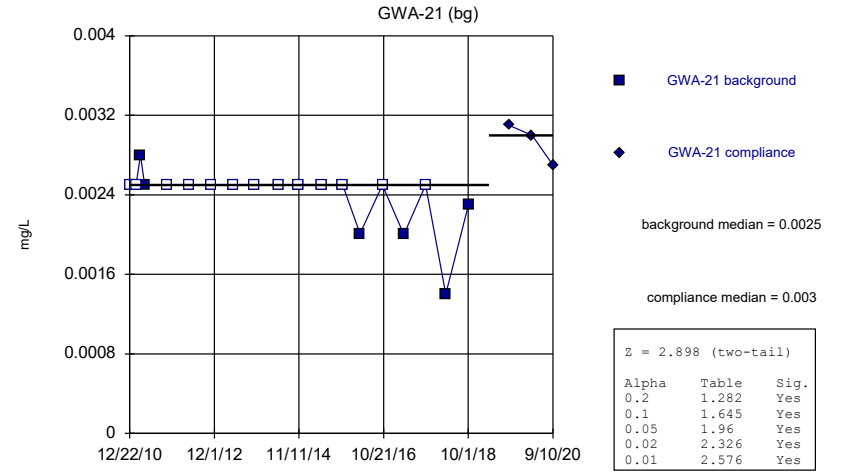
Constituent: Nickel, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



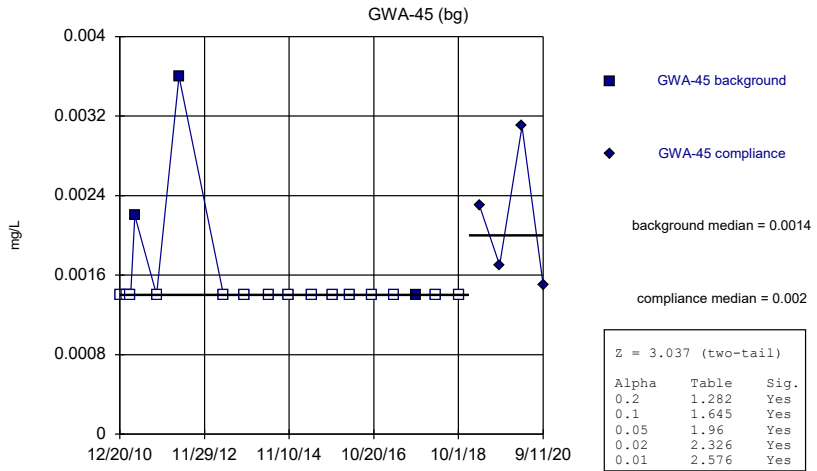
Constituent: Nickel, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



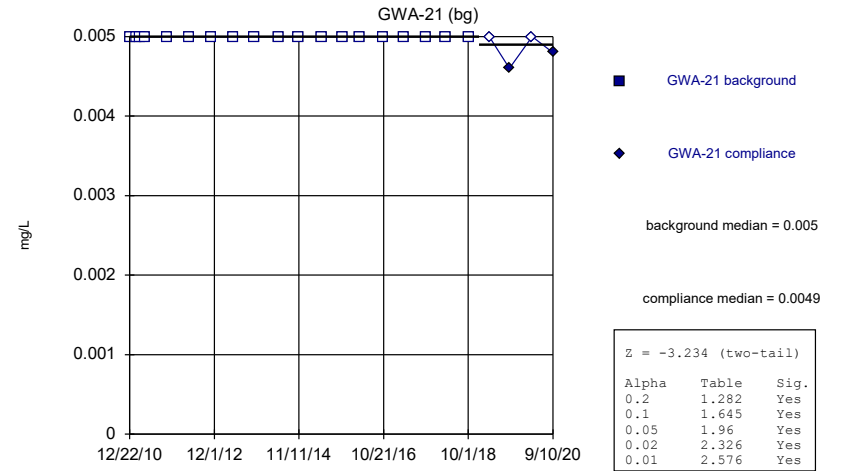
Constituent: Vanadium, Total Analysis Run 6/16/2021 11:37 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Vanadium, Total Analysis Run 6/16/2021 11:37 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Zinc, Total Analysis Run 6/16/2021 11:37 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.024 (J)	
2/14/2011	0.023 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.019 (J)	
10/26/2011	0.023	
5/1/2012	0.014	
11/8/2012	0.034	
5/8/2013	0.016	
11/4/2013	0.014	
5/24/2014	0.027	
11/7/2014	0.03	
5/20/2015	0.029	
11/13/2015	0.041	
4/7/2016	0.0381	
6/14/2016	0.034	
8/9/2016	0.032	
10/10/2016	0.037	
12/2/2016	0.038	
2/9/2017	0.048	
4/7/2017	0.045	
6/22/2017	0.049	
10/10/2017	0.044	
3/22/2018	0.0495 (D)	
10/3/2018	0.042	
3/27/2019		0.057
9/12/2019		0.1 (L)
12/2/2019		0.11 (R,L)
3/19/2020		0.11 (L)
9/11/2020		0.15 (L)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.019 (J)	
2/1/2011	0.017 (J)	
3/21/2011	0.019 (J)	
4/26/2011	0.02 (J)	
10/27/2011	0.018	
5/2/2012	0.017	
11/8/2012	0.048 (O)	
5/7/2013	0.02	
11/4/2013	0.019	
5/24/2014	0.019	
11/7/2014	0.019	
5/20/2015	0.018	
11/13/2015	0.02	
4/7/2016	0.0207	
6/14/2016	0.019	
8/9/2016	0.017	
10/10/2016	0.02	
12/2/2016	0.02	
2/10/2017	0.018	
4/7/2017	0.02	
6/23/2017	0.021	
10/10/2017	0.018	
3/23/2018	0.02	
10/4/2018	0.019	
3/27/2019		0.021
9/12/2019		0.022
3/19/2020		0.023
9/11/2020		0.022



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.016 (J)	
2/15/2011	0.016 (J)	
3/22/2011	0.014 (J)	
4/27/2011	0.016 (J)	
10/26/2011	0.015	
5/2/2012	0.012	
11/8/2012	0.015	
5/8/2013	0.014	
11/4/2013	0.016	
5/24/2014	0.015	
11/7/2014	0.016	
5/22/2015	0.015	
11/13/2015	0.016	
4/11/2016	0.0167	
6/15/2016	0.015	
8/10/2016	0.015	
10/11/2016	0.017	
12/5/2016	0.017	
2/13/2017	0.016	
4/10/2017	0.015	
6/23/2017	0.017	
10/10/2017	0.016	
3/26/2018	0.015	
10/4/2018	0.018	
3/28/2019		0.017
9/12/2019		0.019
3/19/2020		0.019
9/10/2020		0.02

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01 (J)	
2/15/2011	0.0086 (J)	
3/21/2011	0.009 (J)	
4/28/2011	0.012 (J)	
10/26/2011	0.0093 (J)	
5/1/2012	0.0048 (J)	
11/9/2012	0.0091 (J)	
5/8/2013	0.0096 (J)	
11/4/2013	0.012	
5/24/2014	0.011	
11/7/2014	0.011	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.012	
6/16/2016	0.011	
8/11/2016	0.012	
10/13/2016	0.012	
12/5/2016	0.013	
2/13/2017	0.012	
4/11/2017	0.012	
6/24/2017	0.013	
10/11/2017	0.012	
3/26/2018	0.013	
10/4/2018	0.013	
3/28/2019		0.014
9/12/2019		0.017
3/19/2020		0.018
9/11/2020		0.017

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.11	
2/14/2011	<0.1	
3/21/2011	<0.1	
4/27/2011	0.091 (J)	
10/26/2011	0.1	
5/1/2012	0.095	
11/9/2012	0.093	
5/8/2013	0.077	
11/4/2013	0.083	
5/24/2014	0.07	
11/7/2014	0.065	
5/20/2015	0.058	
11/13/2015	0.058	
4/8/2016	0.0619	
6/16/2016	0.052	
8/11/2016	0.044	
10/13/2016	0.049	
12/6/2016	0.047	
2/13/2017	0.05	
4/11/2017	0.053	
6/24/2017	0.054	
10/11/2017	0.05	
3/26/2018	0.05	
10/4/2018	0.042	
3/28/2019		0.045
9/12/2019		0.043
3/19/2020		0.047
9/11/2020		0.044

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01	
2/15/2011	0.0087	
3/21/2011	0.0083	
4/28/2011	0.0076	
10/26/2011	0.0078	
5/1/2012	0.0049 (J)	
11/9/2012	0.0066	
5/8/2013	0.0082	
11/4/2013	0.013	
5/24/2014	0.012	
11/7/2014	0.0084 (J)	
5/22/2015	0.0096 (J)	
11/13/2015	0.011	
4/11/2016	0.0101	
6/16/2016	<0.01	
8/11/2016	0.0097	
10/13/2016	0.012	
12/5/2016	0.012	
2/13/2017	0.011	
4/11/2017	0.011	
6/24/2017	0.0095	
10/11/2017	0.0096	
3/26/2018	0.012	
10/4/2018	0.016	
3/28/2019		0.019
9/12/2019		0.027
3/19/2020		0.029
9/11/2020		0.028

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/20/2015	<0.0025	
11/13/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
10/10/2016	<0.0025	
12/2/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/23/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019		<0.0025
9/12/2019		9.5E-05 (J)
3/19/2020		0.00025 (J)
9/11/2020		<0.0025

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	0.0004 (J)	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019		<0.0025
9/12/2019		0.00017 (J)
3/19/2020		<0.0025
9/10/2020		0.0002 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0018	
2/14/2011	<0.0018	
3/22/2011	<0.0018	
4/26/2011	<0.0018	
10/27/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/7/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/21/2015	<0.0018	
11/13/2015	<0.0018	
4/6/2016	<0.0018	
10/11/2016	<0.0018	
4/10/2017	<0.0018	
10/9/2017	0.0024 (O)	
3/26/2018	<0.0018	
10/3/2018	<0.0018	
3/27/2019		<0.0018
9/12/2019		0.00097 (J)
3/19/2020		0.00037 (J)
9/10/2020		0.00095 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0018	
2/14/2011	<0.0018	
3/21/2011	<0.0018	
4/26/2011	<0.0018	
10/26/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/7/2014	<0.0018	
5/20/2015	<0.0018	
11/13/2015	<0.0018	
4/7/2016	<0.0018	
10/10/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/22/2018	<0.0018 (D)	
10/3/2018	<0.0018	
3/27/2019		<0.0018
9/12/2019		0.00061 (J)
3/19/2020		0.00074 (J)
9/11/2020		0.001



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019		<0.001
9/12/2019		0.00043 (J)
3/19/2020		<0.001
9/10/2020		0.00062 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0018	
2/15/2011	<0.0018	
3/22/2011	<0.0018	
4/27/2011	<0.0018	
10/26/2011	<0.0018	
5/2/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/22/2015	<0.0018	
11/13/2015	<0.0018	
4/11/2016	<0.0018	
10/11/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/23/2018	<0.0018	
10/4/2018	<0.0018	
3/28/2019		<0.0018
9/12/2019		0.0012
3/19/2020		0.0015
9/10/2020		0.0017

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
10/13/2016	<0.0025	
4/10/2017	<0.0025	
10/11/2017	0.0018 (J)	
3/26/2018	0.0021 (J)	
10/4/2018	0.0024 (J)	
3/27/2019		0.0024 (J)
9/12/2019		0.0019
3/19/2020		0.0021
9/11/2020		0.002

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0028 (J)	
4/26/2011	0.0025 (J)	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/6/2016	0.00201 (J)	
10/11/2016	<0.0025	
4/10/2017	0.002 (J)	
10/9/2017	<0.0025	
3/26/2018	0.0014 (J)	
10/3/2018	0.0023 (J)	
3/27/2019	0.0072 (O)	
9/12/2019		0.0031
3/19/2020		0.003
9/10/2020		0.0027

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0014	
2/14/2011	<0.0014	
3/21/2011	<0.0014	
4/26/2011	0.0022 (J)	
10/26/2011	<0.0014	
5/1/2012	0.0036 (J)	
11/8/2012	0.0062 (O)	
5/8/2013	<0.0014	
11/4/2013	<0.0014	
5/24/2014	<0.0014	
11/7/2014	<0.0014	
5/20/2015	<0.0014	
11/13/2015	<0.0014	
4/7/2016	<0.0014	
10/10/2016	<0.0014	
4/7/2017	<0.0014	
10/10/2017	0.0014 (J)	
3/22/2018	<0.0014 (D)	
10/3/2018	<0.0014	
3/27/2019		0.0023 (J)
9/12/2019		0.0017
3/19/2020		0.0031
9/11/2020		0.0015

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	<0.005	
4/6/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005	
10/3/2018	<0.005	
3/27/2019		<0.005
9/12/2019		0.0046 (J)
3/19/2020		<0.005
9/10/2020		0.0048 (J)

FIGURE E.

# Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	2.749	Yes	Mann-W
Calcium, total (mg/L)	GWC-52	2.711	Yes	Mann-W
Chloride, Total (mg/L)	GWA-46 (bg)	2.679	Yes	Mann-W
Fluoride, total (mg/L)	GWA-21 (bg)	-2.957	Yes	Mann-W
Fluoride, total (mg/L)	GWA-22 (bg)	-3.77	Yes	Mann-W
Fluoride, total (mg/L)	GWA-47 (bg)	-3.179	Yes	Mann-W
Fluoride, total (mg/L)	GWA-48 (bg)	-3.097	Yes	Mann-W
Fluoride, total (mg/L)	GWA-49 (bg)	-3.187	Yes	Mann-W
Fluoride, total (mg/L)	GWC-29	-2.961	Yes	Mann-W
Fluoride, total (mg/L)	GWC-51	2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-52	-3.77	Yes	Mann-W
pH (S.U.)	GWC-29	2.896	Yes	Mann-W
Sulfate, total (mg/L)	GWA-47 (bg)	2.986	Yes	Mann-W
Sulfate, total (mg/L)	GWC-29	2.649	Yes	Mann-W
Sulfate, total (mg/L)	GWC-52	2.812	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-21 (bg)	2.618	Yes	Mann-W



# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

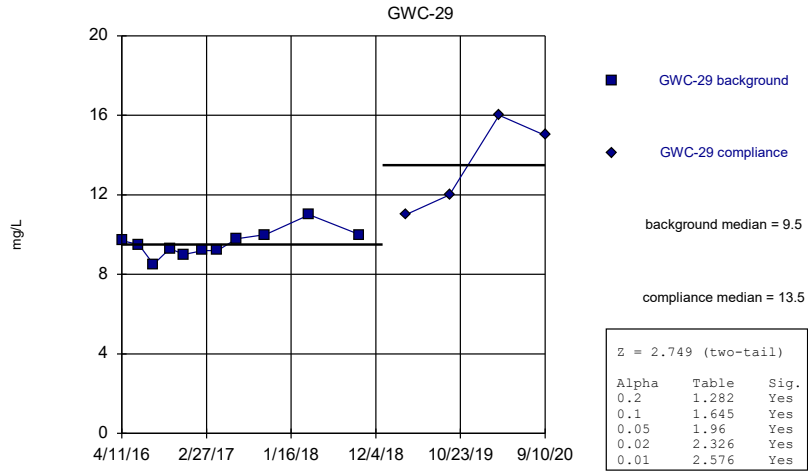
Constituent	Well	Calc.	0.01	Method
Boron, total (mg/L)	GWA-21 (bg)	-0.7724	No	Mann-W
Boron, total (mg/L)	GWA-45 (bg)	2.415	No	Mann-W
Boron, total (mg/L)	GWA-47 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-29	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-53	1.254	No	Mann-W
Calcium, total (mg/L)	GWA-21 (bg)	0.8501	No	Mann-W
Calcium, total (mg/L)	GWA-22 (bg)	0	No	Mann-W
Calcium, total (mg/L)	GWA-45 (bg)	0.2616	No	Mann-W
Calcium, total (mg/L)	GWA-46 (bg)	1.244	No	Mann-W
Calcium, total (mg/L)	GWA-47 (bg)	1.916	No	Mann-W
Calcium, total (mg/L)	GWA-48 (bg)	1.176	No	Mann-W
Calcium, total (mg/L)	GWA-49 (bg)	0.9253	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>2.749</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-50	1.839	No	Mann-W
Calcium, total (mg/L)	GWC-51	2.17	No	Mann-W
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>2.711</b>	<b>Yes</b>	<b>Mann-W</b>
Calcium, total (mg/L)	GWC-53	1.788	No	Mann-W
Chloride, Total (mg/L)	GWA-21 (bg)	0.7848	No	Mann-W
Chloride, Total (mg/L)	GWA-22 (bg)	-1.378	No	Mann-W
Chloride, Total (mg/L)	GWA-45 (bg)	0.9324	No	Mann-W
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>2.679</b>	<b>Yes</b>	<b>Mann-W</b>
Chloride, Total (mg/L)	GWA-47 (bg)	0.06685	No	Mann-W
Chloride, Total (mg/L)	GWA-48 (bg)	0.07223	No	Mann-W
Chloride, Total (mg/L)	GWA-49 (bg)	-0.8715	No	Mann-W
Chloride, Total (mg/L)	GWC-29	-1.993	No	Mann-W
Chloride, Total (mg/L)	GWC-50	-0.2077	No	Mann-W
Chloride, Total (mg/L)	GWC-51	2.494	No	Mann-W
Chloride, Total (mg/L)	GWC-52	-0.7102	No	Mann-W
Chloride, Total (mg/L)	GWC-53	2.574	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-2.957</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>-3.77</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWA-45 (bg)	-1.773	No	Mann-W
Fluoride, total (mg/L)	GWA-46 (bg)	-0.7724	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWA-47 (bg)</b>	<b>-3.179</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>-3.097</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWA-49 (bg)</b>	<b>-3.187</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-29</b>	<b>-2.961</b>	<b>Yes</b>	<b>Mann-W</b>
Fluoride, total (mg/L)	GWC-50	-2.262	No	Mann-W
<b>Fluoride, total (mg/L)</b>	<b>GWC-51</b>	<b>2.597</b>	<b>Yes</b>	<b>Mann-W</b>
<b>Fluoride, total (mg/L)</b>	<b>GWC-52</b>	<b>-3.77</b>	<b>Yes</b>	<b>Mann-W</b>
pH (S.U.)	GWA-21 (bg)	1.768	No	Mann-W
pH (S.U.)	GWA-22 (bg)	0.6379	No	Mann-W
pH (S.U.)	GWA-45 (bg)	0.1705	No	Mann-W
pH (S.U.)	GWA-46 (bg)	1.931	No	Mann-W
pH (S.U.)	GWA-47 (bg)	0.9751	No	Mann-W
pH (S.U.)	GWA-48 (bg)	0.6815	No	Mann-W
pH (S.U.)	GWA-49 (bg)	0.5108	No	Mann-W
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>2.896</b>	<b>Yes</b>	<b>Mann-W</b>
pH (S.U.)	GWC-50	-1.763	No	Mann-W
pH (S.U.)	GWC-51	1.545	No	Mann-W
pH (S.U.)	GWC-52	1.016	No	Mann-W
pH (S.U.)	GWC-53	1.369	No	Mann-W

# Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

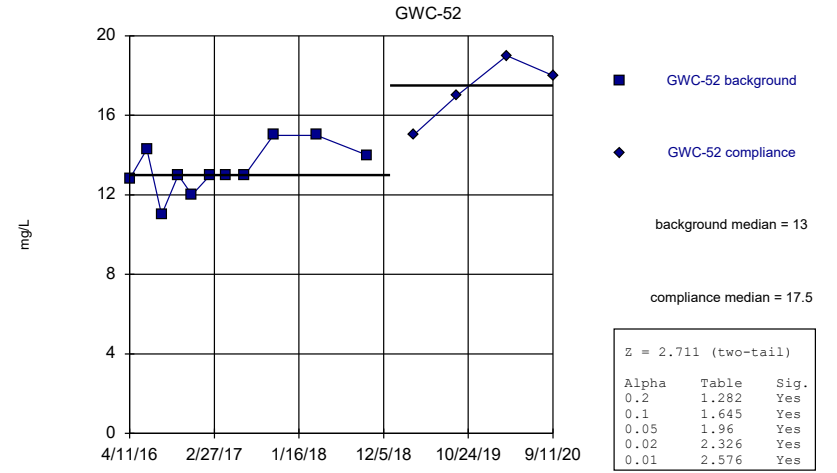
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Sulfate, total (mg/L)	GWA-21 (bg)	-1.373	No	Mann-W
Sulfate, total (mg/L)	GWA-22 (bg)	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWA-45 (bg)	1.269	No	Mann-W
Sulfate, total (mg/L)	GWA-46 (bg)	-1.632	No	Mann-W
<b>Sulfate, total (mg/L)</b>	<b>GWA-47 (bg)</b>	<b>2.986</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate, total (mg/L)	GWA-48 (bg)	1.787	No	Mann-W
Sulfate, total (mg/L)	GWA-49 (bg)	-1.479	No	Mann-W
<b>Sulfate, total (mg/L)</b>	<b>GWC-29</b>	<b>2.649</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate, total (mg/L)	GWC-50	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWC-51	1.788	No	Mann-W
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>2.812</b>	<b>Yes</b>	<b>Mann-W</b>
Sulfate, total (mg/L)	GWC-53	2.286	No	Mann-W
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>2.618</b>	<b>Yes</b>	<b>Mann-W</b>
Total Dissolved Solids [TDS] (mg/L)	GWA-22 (bg)	0.4578	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-45 (bg)	2.494	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-46 (bg)	1.504	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-47 (bg)	1.766	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-48 (bg)	1.914	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-49 (bg)	2.546	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-29	1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-50	0.4574	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-51	0.9243	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-52	2.295	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-53	2.093	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)



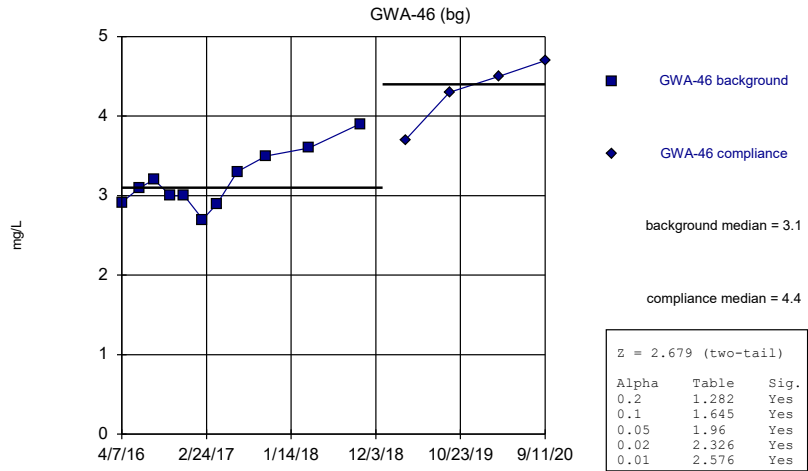
Constituent: Calcium, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



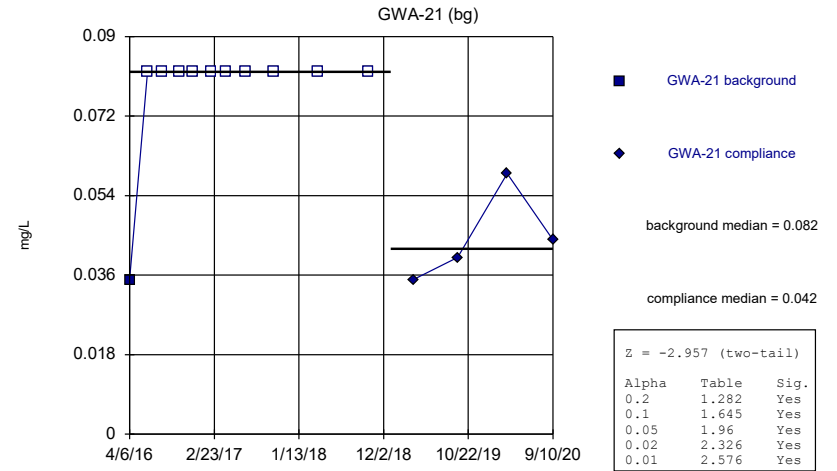
Constituent: Calcium, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



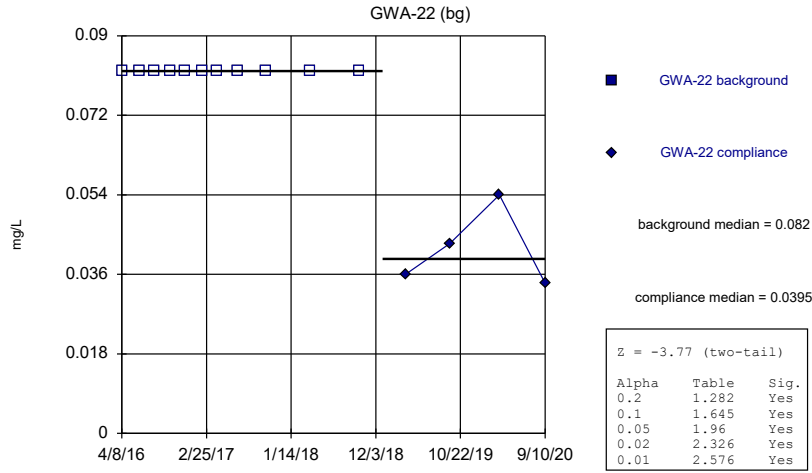
Constituent: Chloride, Total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



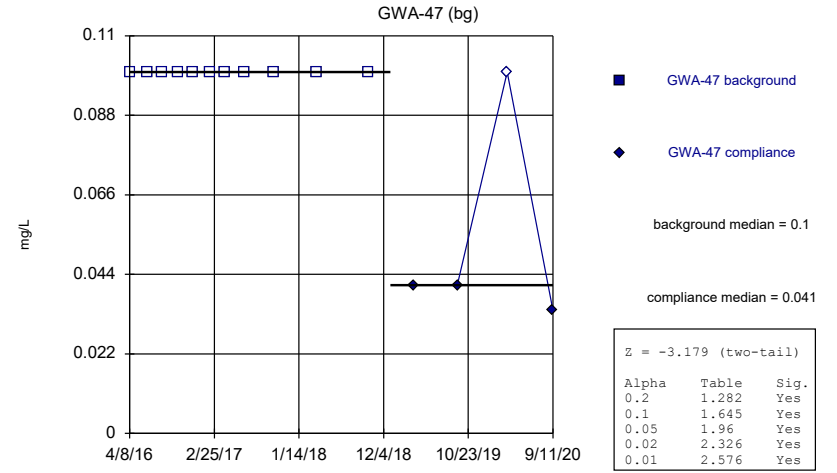
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



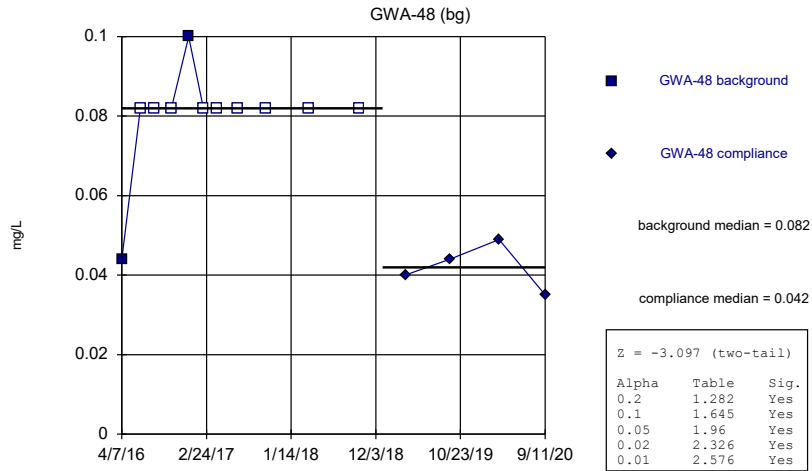
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



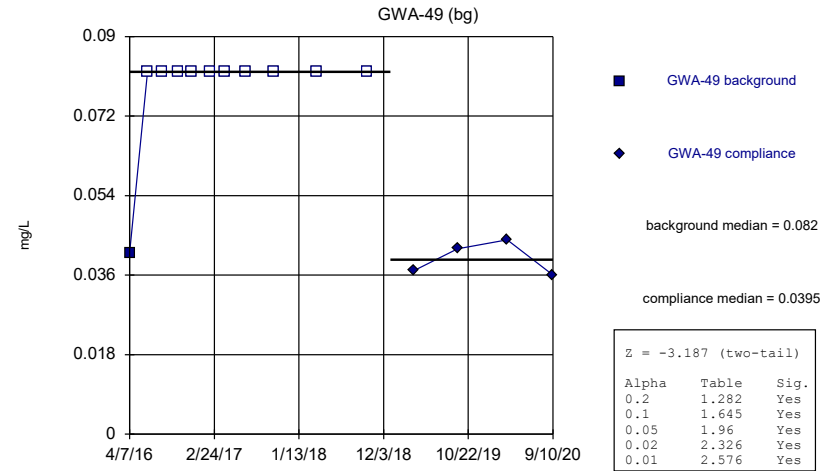
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



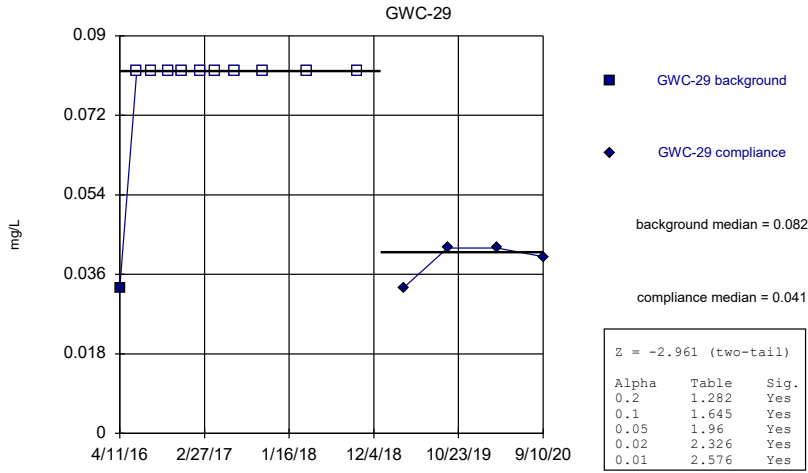
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



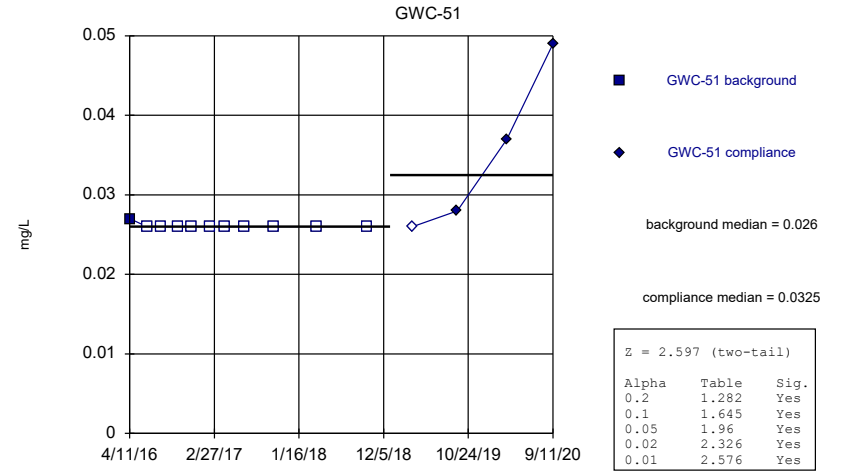
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



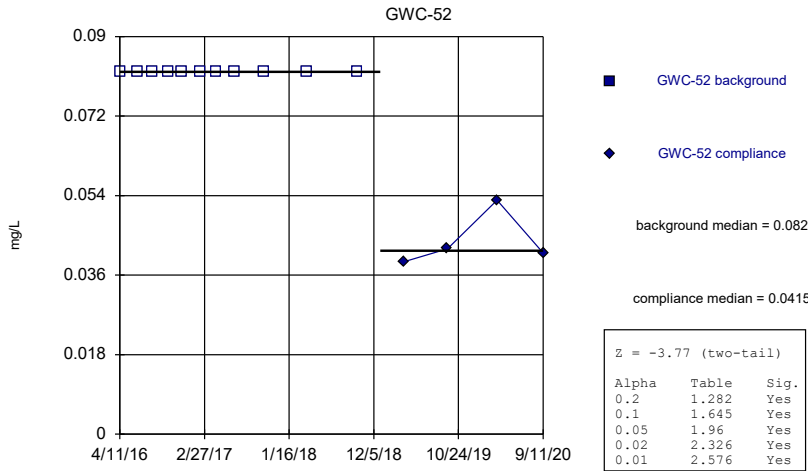
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



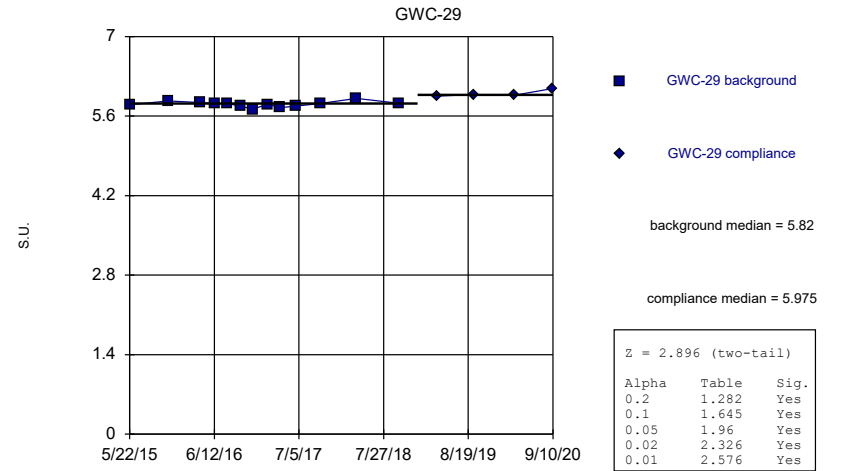
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

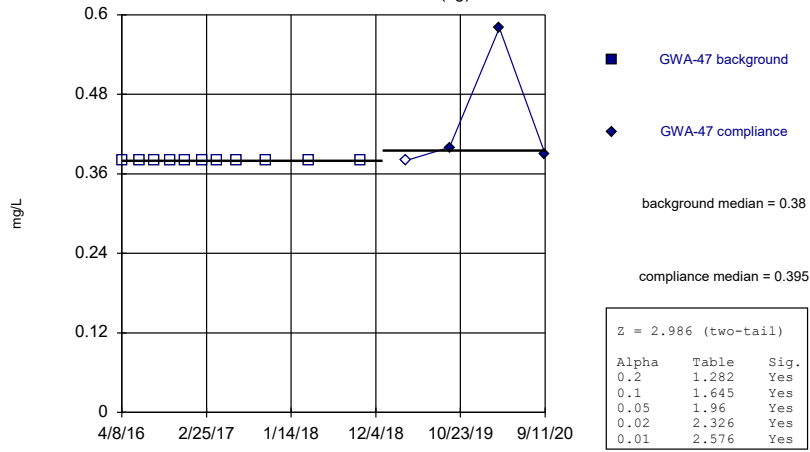
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: pH Analysis Run 6/16/2021 11:42 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

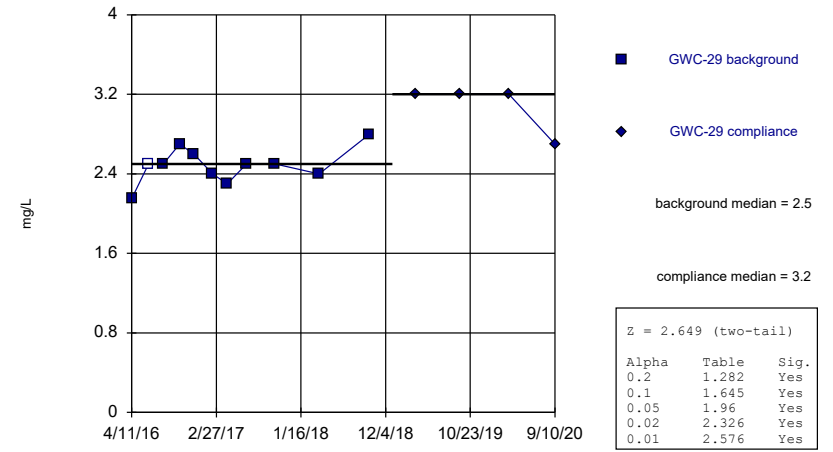
GWA-47 (bg)



Constituent: Sulfate, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

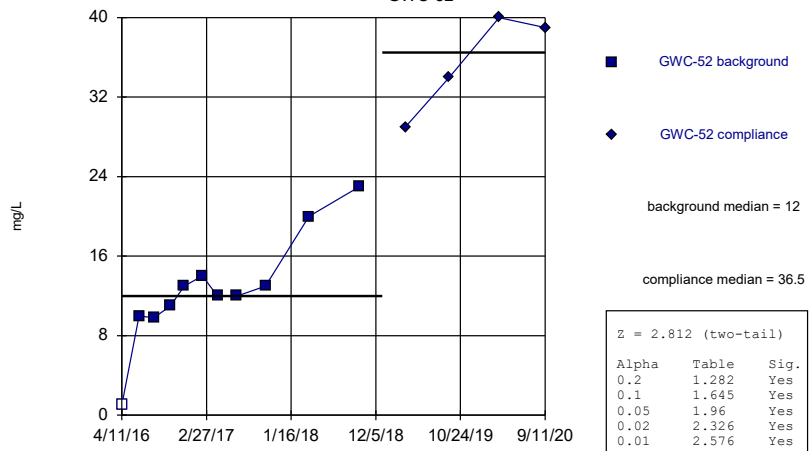
GWC-29



Constituent: Sulfate, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

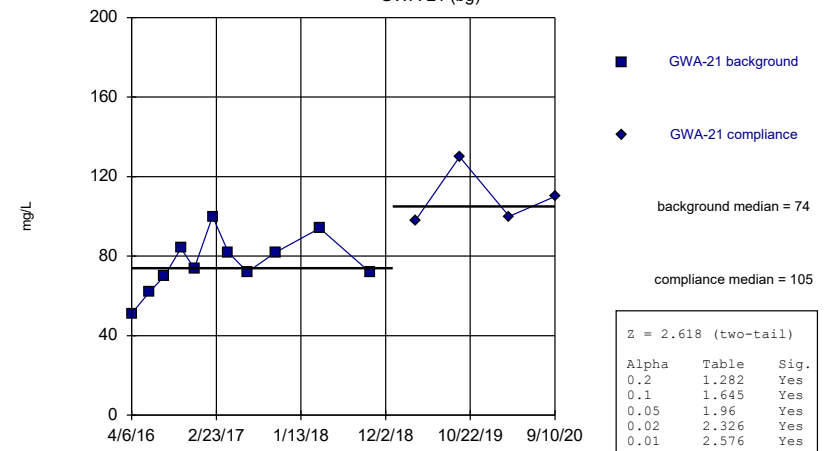
GWC-52



Constituent: Sulfate, total Analysis Run 6/16/2021 11:42 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

GWA-21 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/16/2021 11:42 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	9.7	
6/15/2016	9.5	
8/10/2016	8.5	
10/11/2016	9.3	
12/5/2016	9	
2/13/2017	9.2	
4/10/2017	9.2	
6/23/2017	9.8	
10/10/2017	10	
3/26/2018	11	
10/4/2018	10	
3/28/2019		11
9/12/2019		12
3/19/2020		16
9/10/2020		15

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	12.8	
6/16/2016	14.3	
8/11/2016	11	
10/13/2016	13	
12/5/2016	12	
2/13/2017	13	
4/11/2017	13	
6/24/2017	13	
10/11/2017	15	
3/26/2018	15	
10/4/2018	14	
3/28/2019		15
9/12/2019		17
3/19/2020		19
9/11/2020		18



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	2.914	
6/14/2016	3.1	
8/9/2016	3.2	
10/10/2016	3	
12/2/2016	3	
2/10/2017	2.7	
4/7/2017	2.9	
6/23/2017	3.3	
10/10/2017	3.5	
3/23/2018	3.6	
10/4/2018	3.9	
3/27/2019		3.7
9/12/2019		4.3
3/19/2020		4.5
9/11/2020		4.7

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	0.035 (J)	
6/14/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/10/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.035 (J)
9/12/2019		0.04 (J)
3/19/2020		0.059 (J)
9/10/2020		0.044 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<0.082	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/10/2017	<0.082	
4/7/2017	<0.082	
6/26/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082 (D)	
10/3/2018	<0.082	
3/27/2019		0.036 (J)
9/12/2019		0.043 (J)
3/19/2020		0.054 (J)
9/10/2020		0.034 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.1	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/11/2016	<0.1	
12/5/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1	
10/5/2018	<0.1	
3/27/2019		0.041 (J)
9/12/2019		0.041 (J)
3/20/2020		<0.1
9/11/2020		0.034 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	0.044 (J)	
6/17/2016	<0.082	
8/10/2016	<0.082	
10/14/2016	<0.082	
12/19/2016	0.1 (J)	
2/13/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/23/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.04 (J)
9/12/2019		0.044 (J)
3/19/2020		0.049 (J)
9/11/2020		0.035 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	0.041 (J)	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/9/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.037 (J)
9/12/2019		0.042 (J)
3/19/2020		0.044 (J)
9/10/2020		0.036 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	0.033 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/10/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019		0.033 (J)
9/12/2019		0.042 (J)
3/19/2020		0.042 (J)
9/10/2020		0.04 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	0.027 (J)	
6/16/2016	<0.026	
8/10/2016	<0.026	
10/13/2016	<0.026	
12/5/2016	<0.026	
2/13/2017	<0.026	
4/10/2017	<0.026	
6/23/2017	<0.026	
10/11/2017	<0.026	
3/26/2018	<0.026	
10/4/2018	<0.026	
3/27/2019		<0.026
9/12/2019		0.028 (J)
3/19/2020		0.037 (J)
9/11/2020		0.049 (J)



# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.082	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/13/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/11/2017	<0.082	
6/24/2017	<0.082	
10/11/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019		0.039 (J)
9/12/2019		0.042 (J)
3/19/2020		0.053 (J)
9/11/2020		0.041 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (S.U.) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
5/22/2015	5.8	
11/13/2015	5.87	
4/11/2016	5.84	
6/15/2016	5.82	
8/10/2016	5.82	
10/11/2016	5.78	
12/5/2016	5.72	
2/13/2017	5.81	
4/10/2017	5.75	
6/23/2017	5.78	
10/10/2017	5.82	
3/26/2018	5.91	
10/4/2018	5.83	
3/28/2019		5.95
9/12/2019		5.98
3/19/2020		5.97
9/10/2020		6.09

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.38	
6/14/2016	<0.38	
8/9/2016	<0.38	
10/11/2016	<0.38	
12/5/2016	<0.38	
2/10/2017	<0.38	
4/7/2017	<0.38	
6/22/2017	<0.38	
10/10/2017	<0.38	
3/22/2018	<0.38	
10/5/2018	<0.38	
3/27/2019		<0.38
9/12/2019		0.4 (J)
3/20/2020		0.58 (J)
9/11/2020		0.39 (J)

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	2.15	
6/15/2016	<2.5	
8/10/2016	2.5	
10/11/2016	2.7	
12/5/2016	2.6	
2/13/2017	2.4	
4/10/2017	2.3	
6/23/2017	2.5	
10/10/2017	2.5	
3/26/2018	2.4	
10/4/2018	2.8	
3/28/2019		3.2
9/12/2019		3.2
3/19/2020		3.2
9/10/2020		2.7

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<1	
6/16/2016	10	
8/11/2016	9.8	
10/13/2016	11	
12/5/2016	13	
2/13/2017	14	
4/11/2017	12	
6/24/2017	12	
10/11/2017	13	
3/26/2018	20	
10/4/2018	23	
3/28/2019		29
9/12/2019		34
3/19/2020		40
9/11/2020		39

# Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	51	
6/14/2016	62	
8/10/2016	70	
10/11/2016	84	
12/2/2016	74	
2/10/2017	100	
4/10/2017	82	
6/23/2017	72	
10/9/2017	82	
3/26/2018	94	
10/3/2018	72	
3/27/2019		98
9/12/2019		130
3/19/2020		100
9/10/2020		110

FIGURE F.

# Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWA-45	0.05701	n/a	4/2/2021	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	n/a	4/5/2021	0.019	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	4/5/2021	0.031	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	4/6/2021	0.0019	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

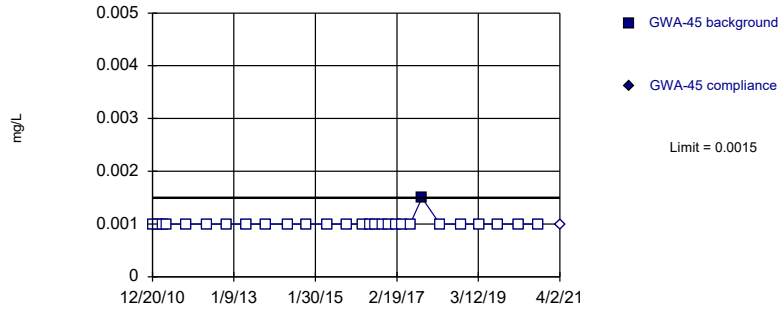






Within Limit

### Prediction Limit Intrawell Non-parametric

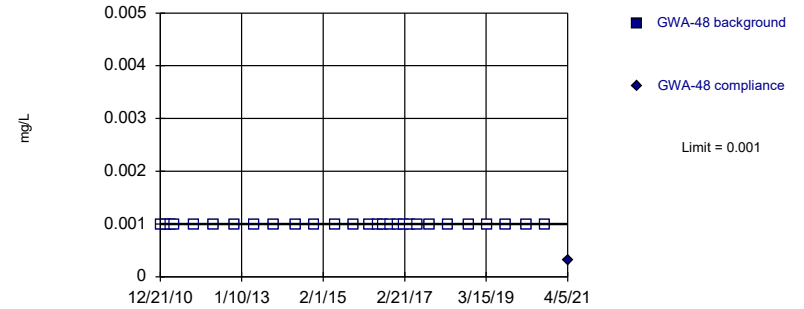


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

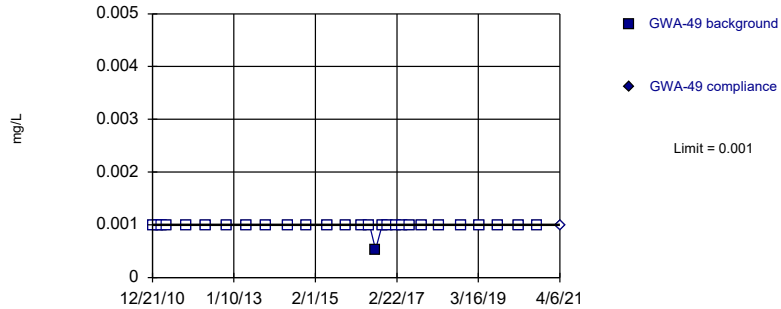


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

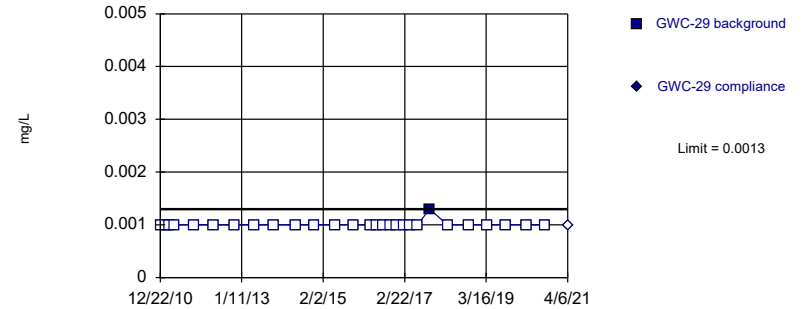


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

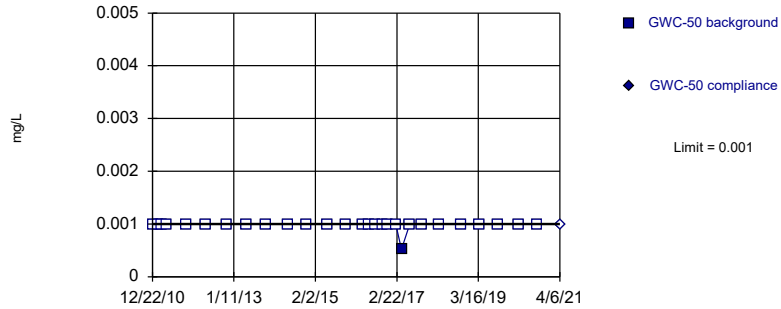


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

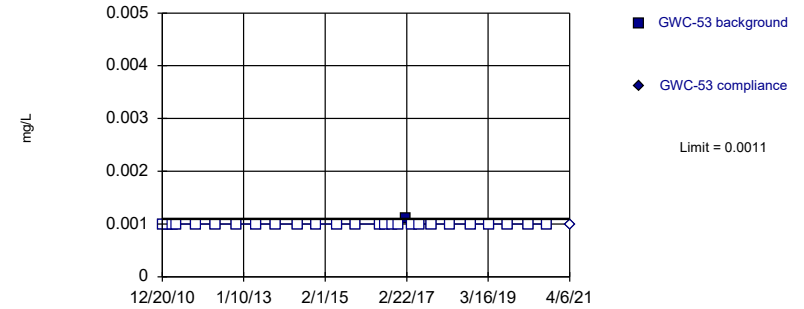


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

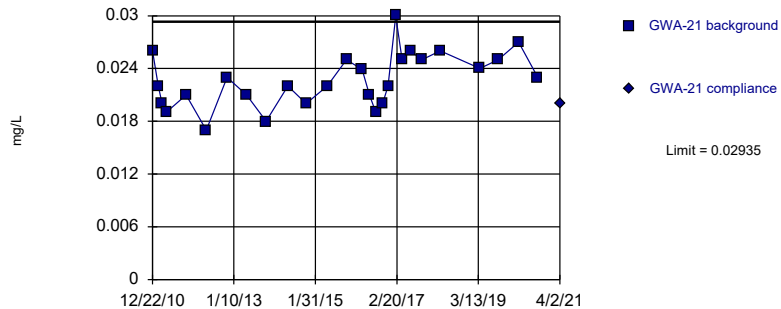


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

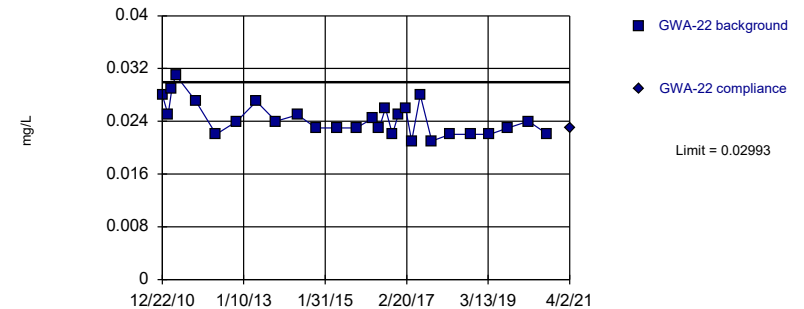


Background Data Summary: Mean=0.0227, Std. Dev.=0.00306, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.894. Kappa = 2.172 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

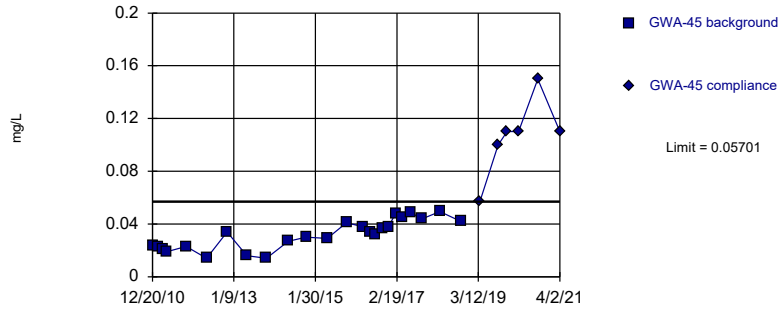


Background Data Summary: Mean=0.02437, Std. Dev.=0.00257, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

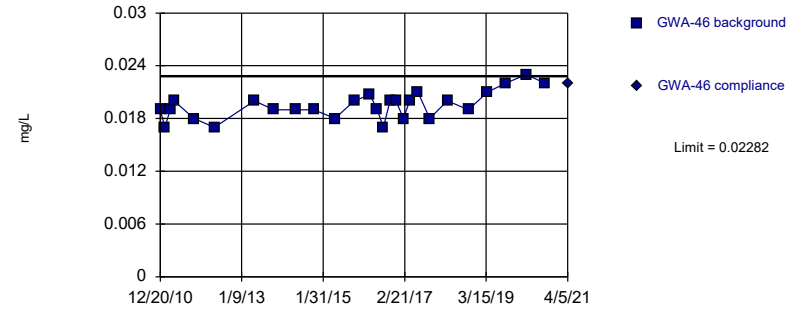


Background Data Summary: Mean=0.03215, Std. Dev.=0.01125, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

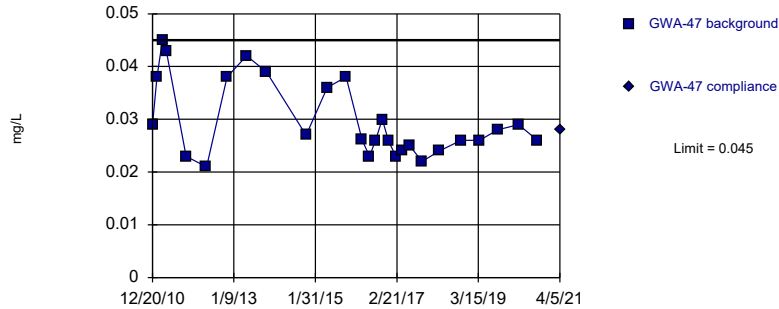


Background Data Summary: Mean=0.01947, Std. Dev.=0.001543, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9506, critical = 0.894. Kappa = 2.172 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

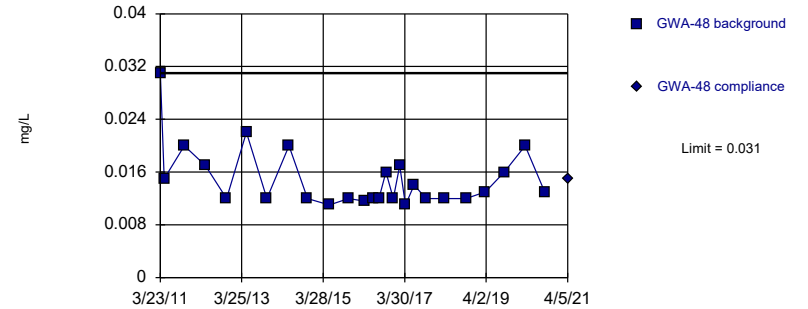


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

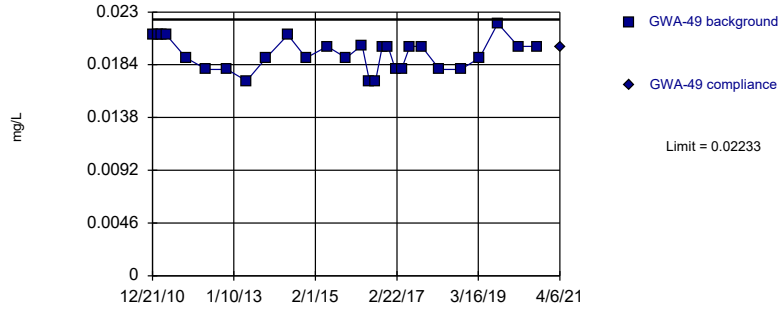


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

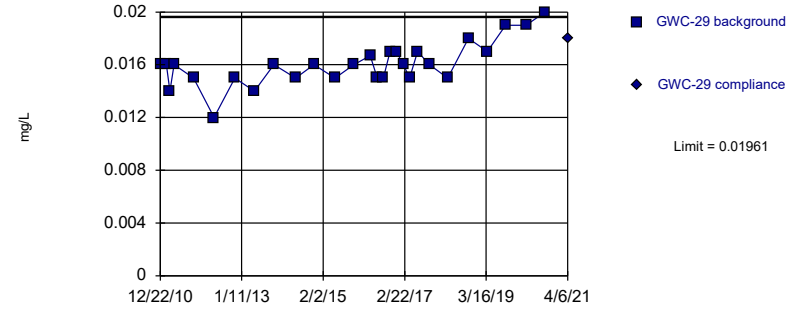


Background Data Summary: Mean=0.01933, Std. Dev.=0.001391, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

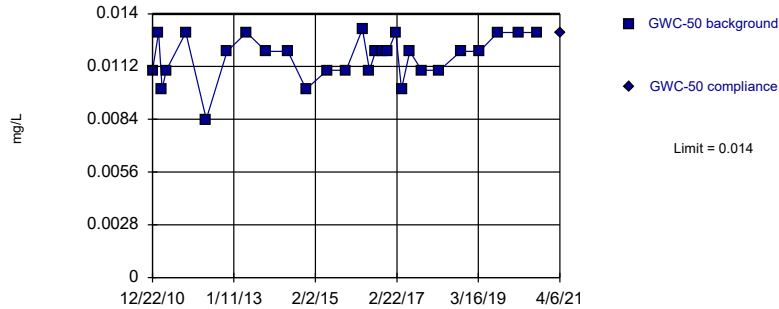


Background Data Summary: Mean=0.01603, Std. Dev.=0.001661, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9382, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

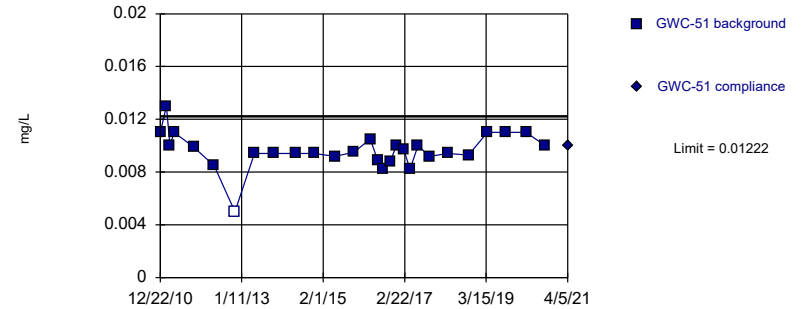


Background Data Summary (based on square transformation): Mean=0.0001382, Std. Dev.=0.00002671, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.902, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

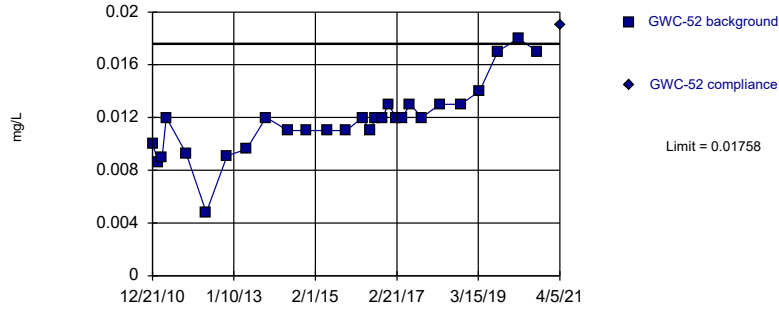


Background Data Summary (based on square transformation): Mean=0.00009473, Std. Dev.=0.00002527, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

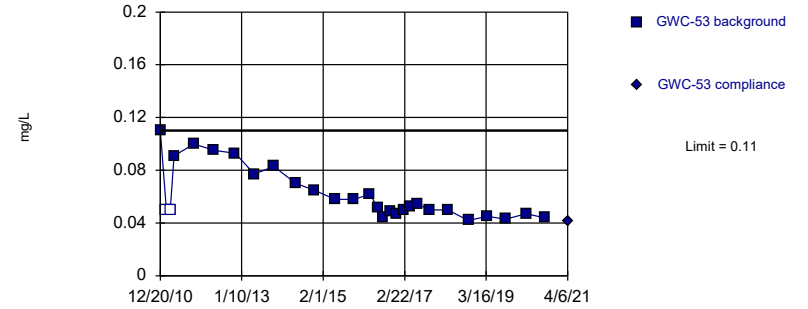


Background Data Summary: Mean=0.01176, Std. Dev.=0.00269, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

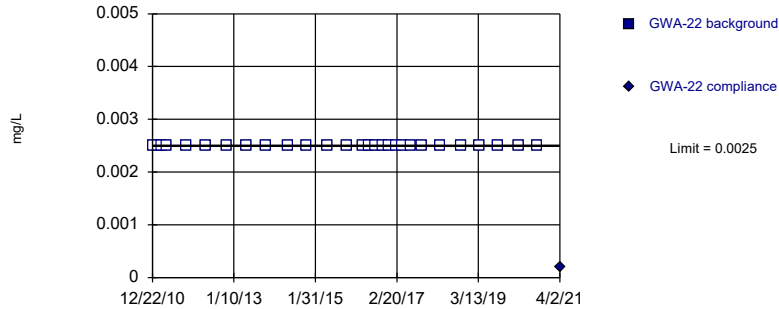


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

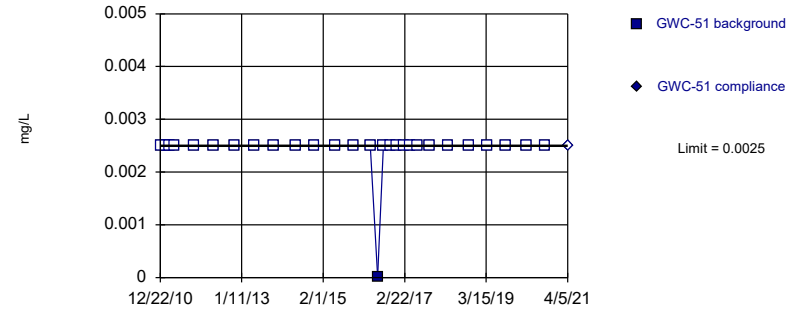


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

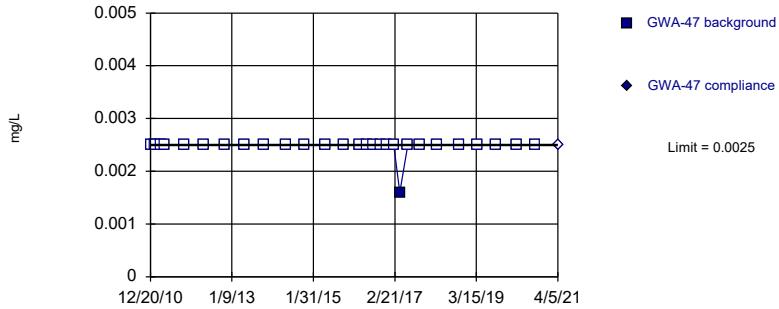


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

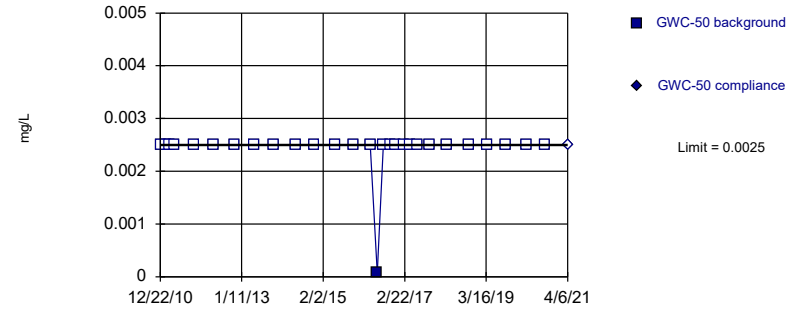


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

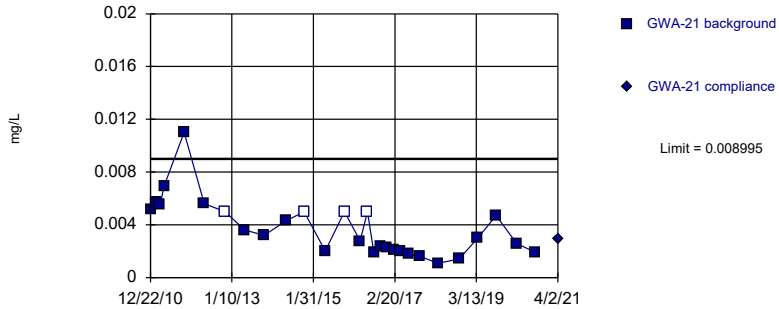


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

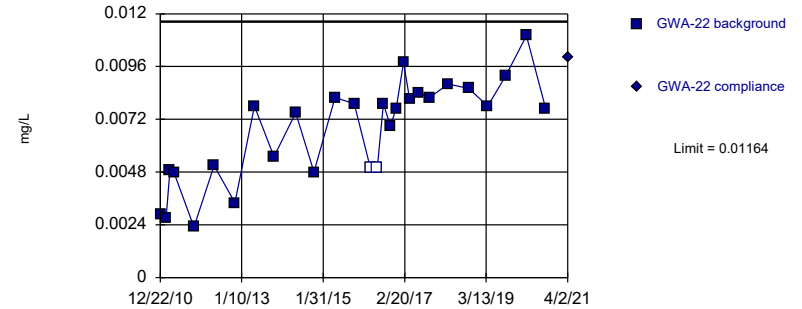


Background Data Summary (based on square root transformation): Mean=0.05889, Std. Dev.=0.01663, n=28, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9352, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric



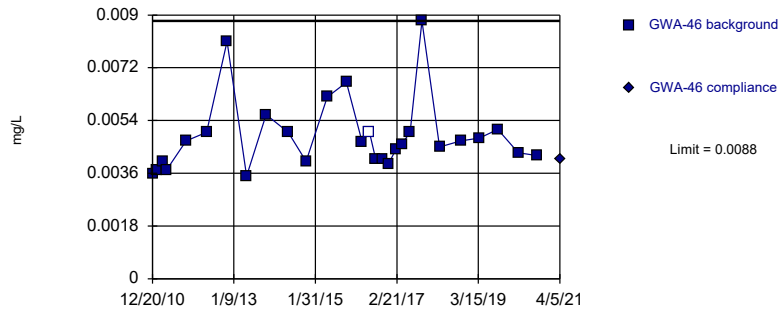
Background Data Summary: Mean=0.006711, Std. Dev.=0.002282, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

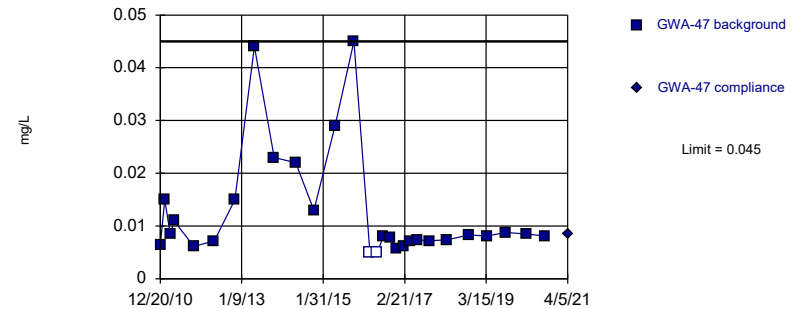


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

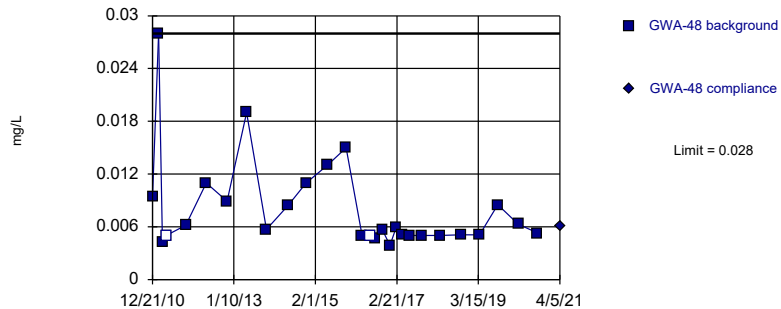


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

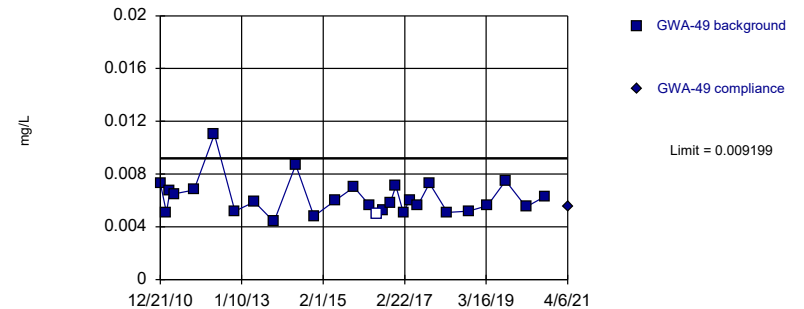


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

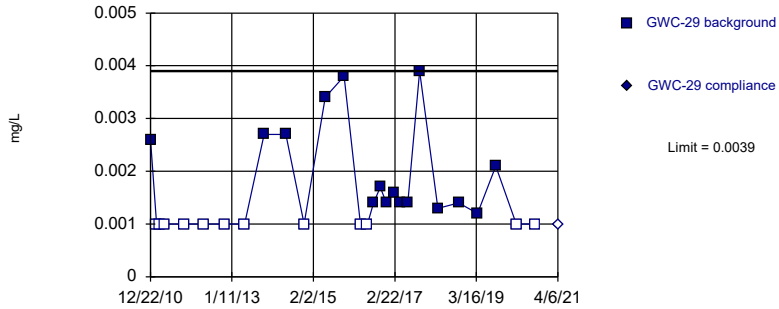


Background Data Summary (based on square root transformation): Mean=0.07829, Std. Dev.=0.008154, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8979, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

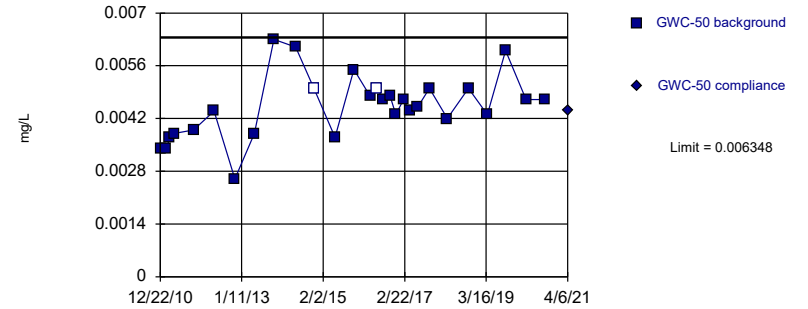


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

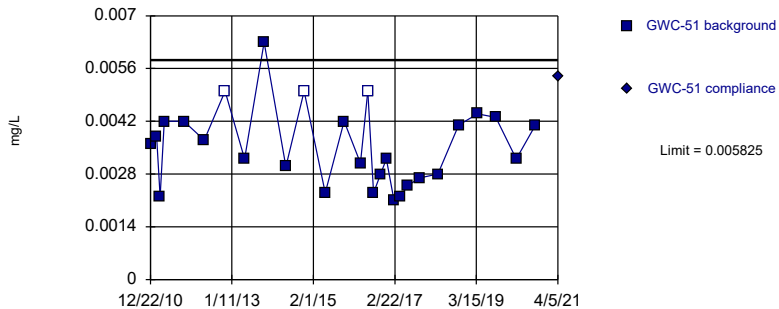


Background Data Summary: Mean=0.004525, Std. Dev.=0.0008434, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

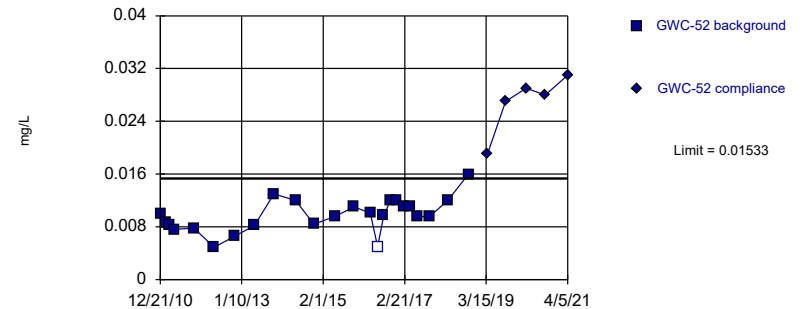


Background Data Summary: Mean=0.003553, Std. Dev.=0.001051, n=28, 10.71% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

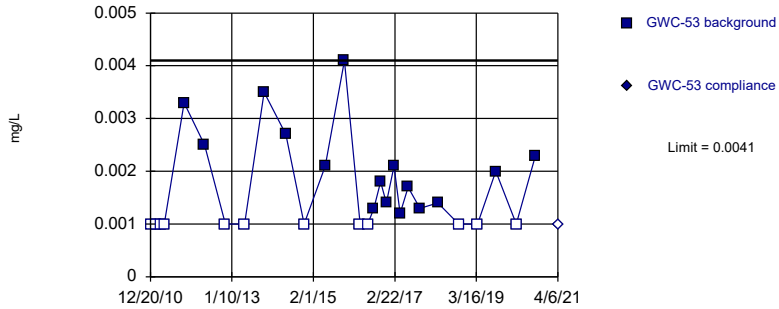


Background Data Summary: Mean=0.00975, Std. Dev.=0.002526, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

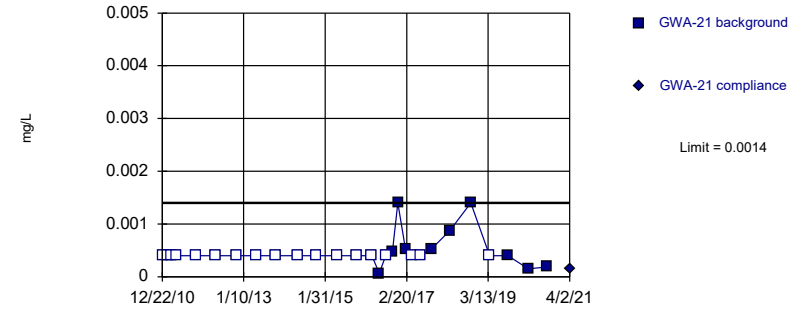


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

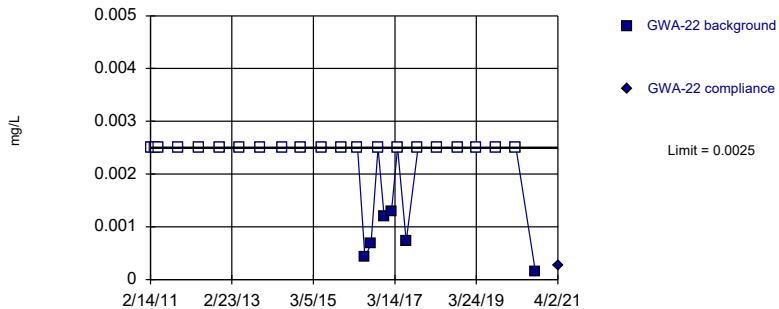


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

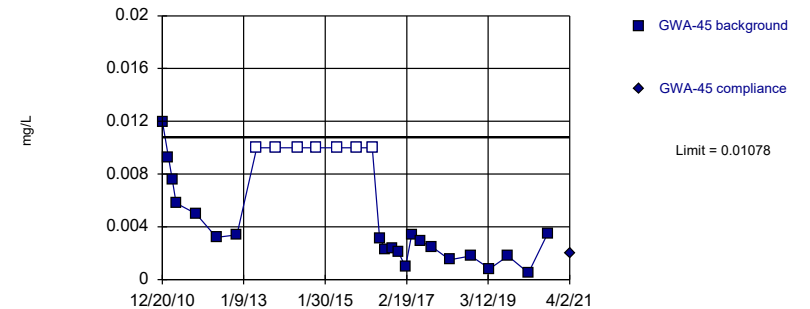


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

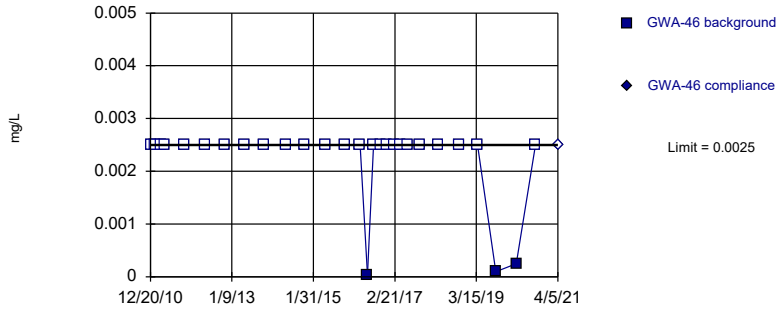


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1408, Std. Dev.=0.03707, n=28, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9082, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

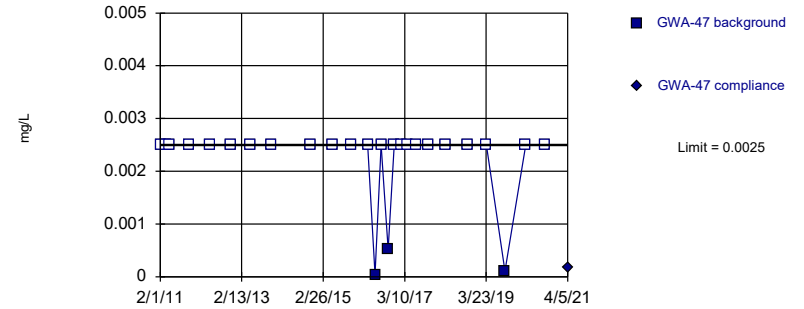


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

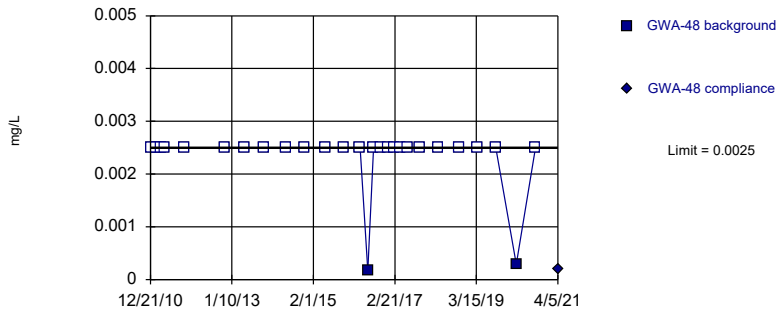


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

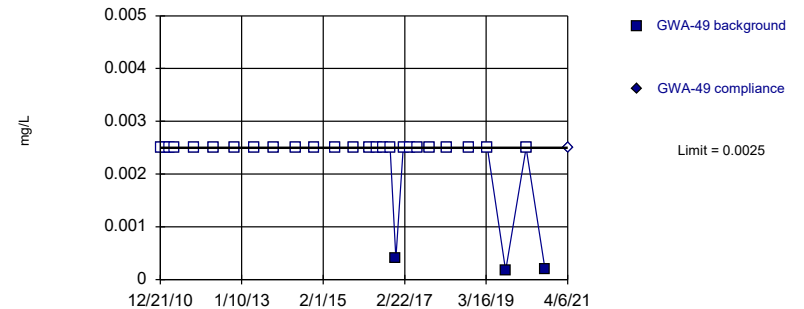


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

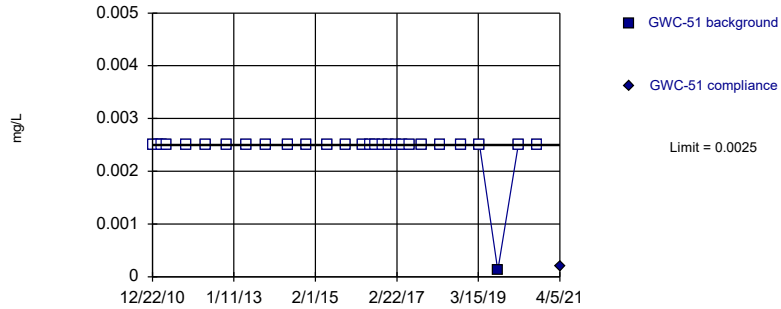


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

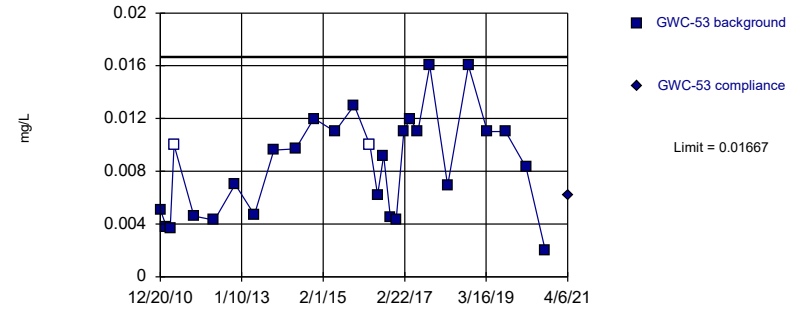


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

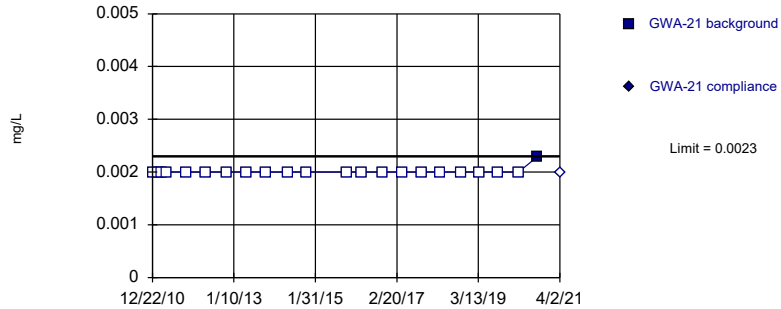


Background Data Summary: Mean=0.008496, Std. Dev.=0.003782, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

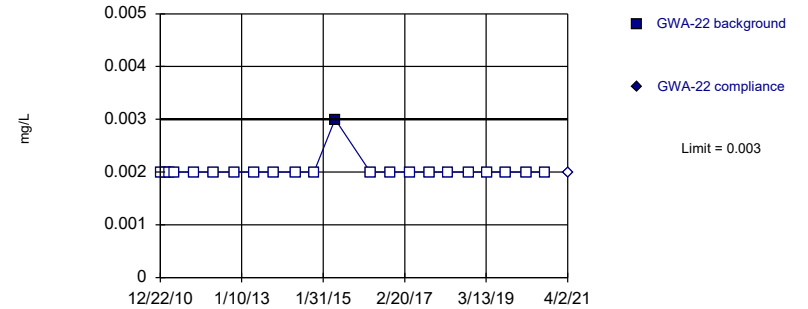


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

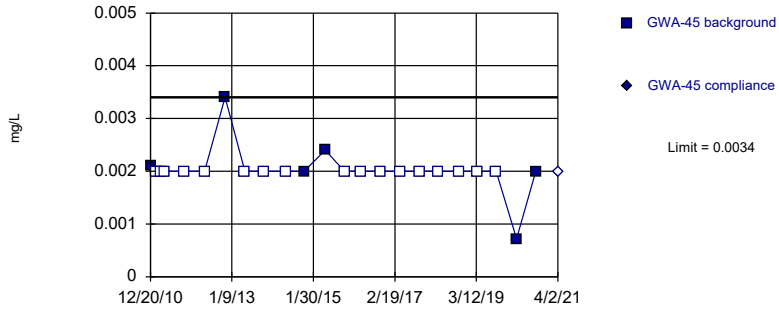


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

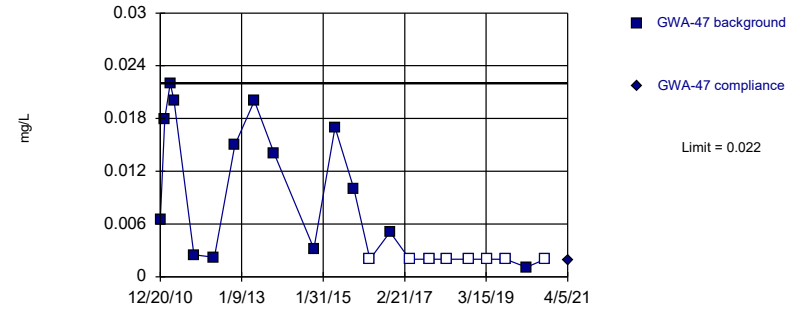


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

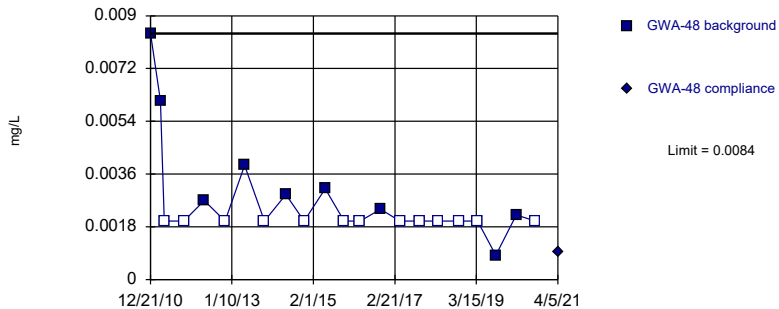


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

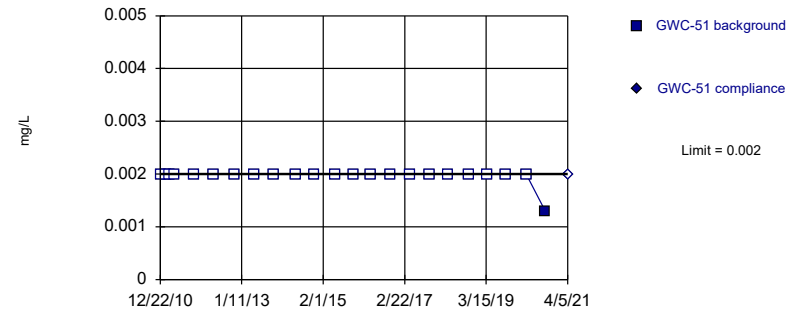


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

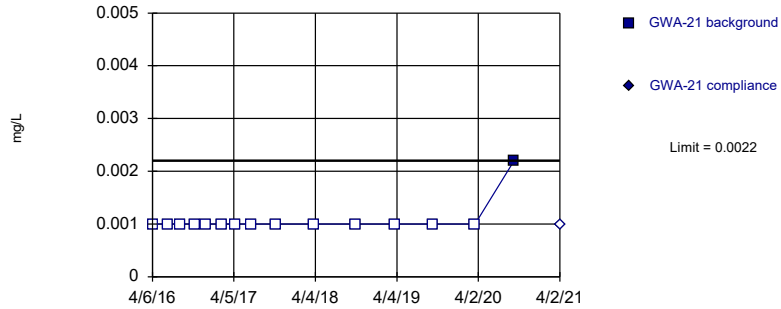


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

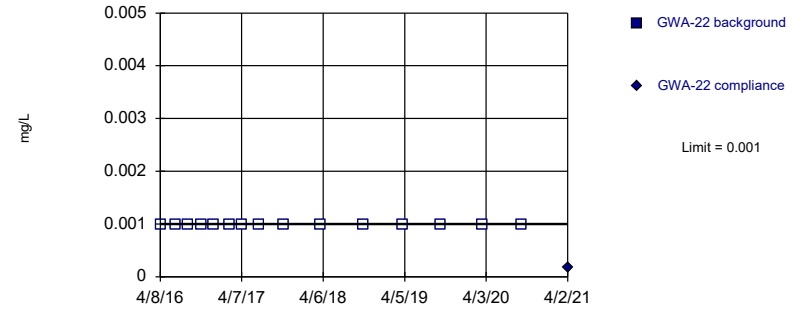


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

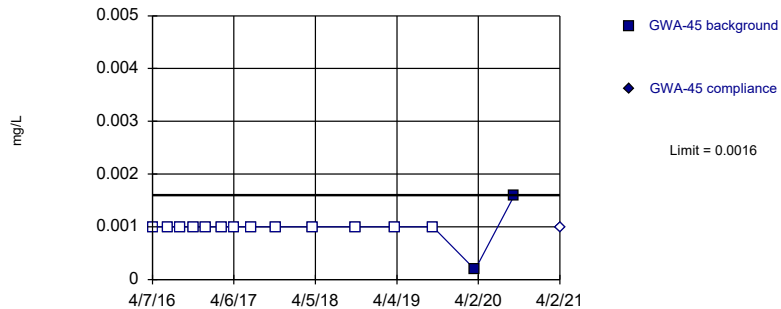


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

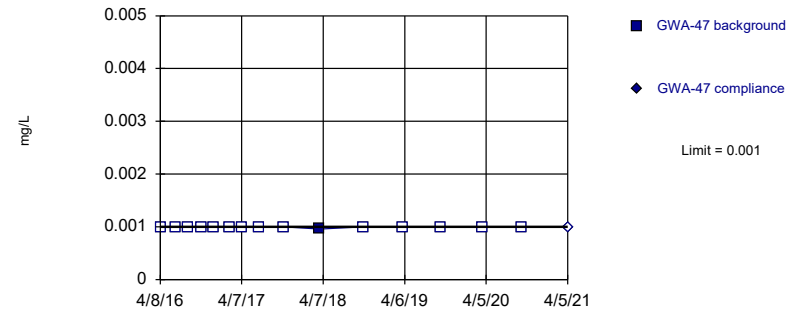


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

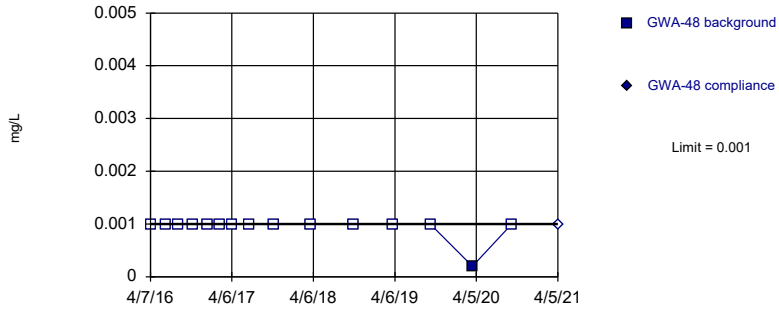


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

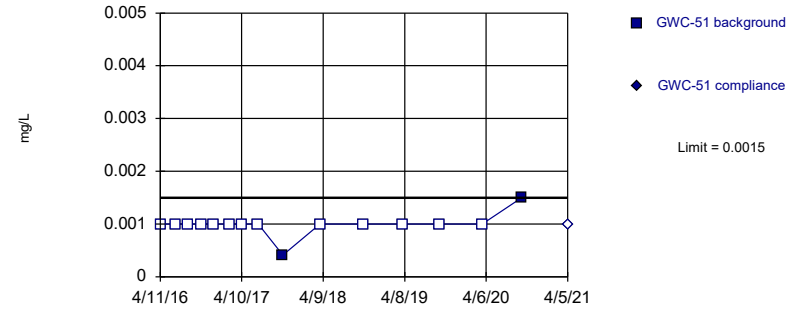


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

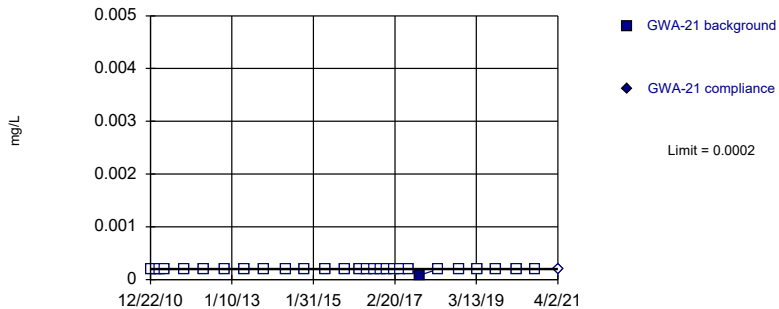


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

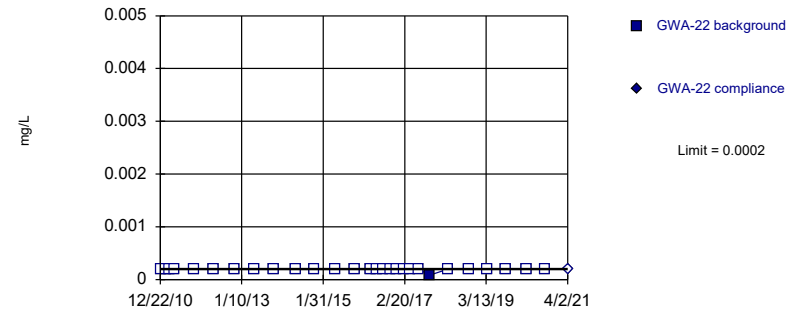


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



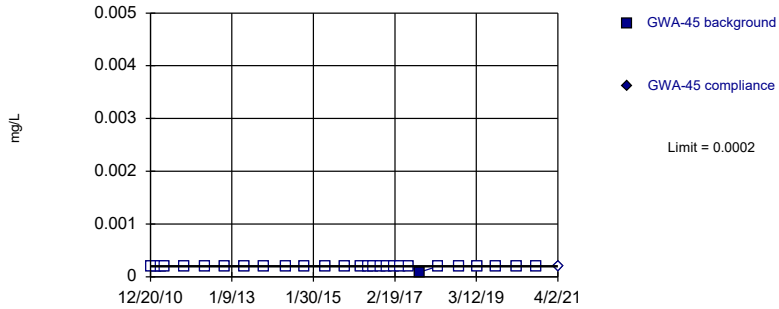
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

### Prediction Limit Intrawell Non-parametric

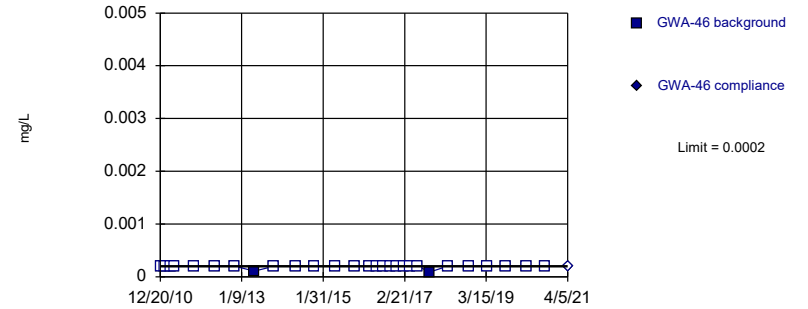


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

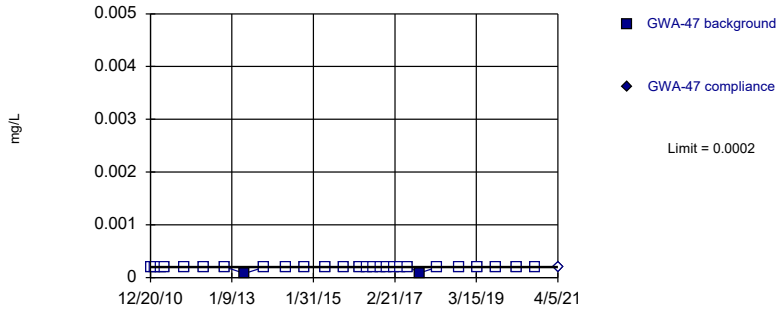


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

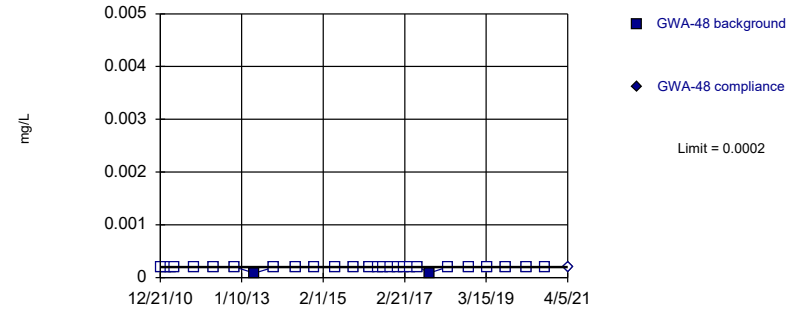


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

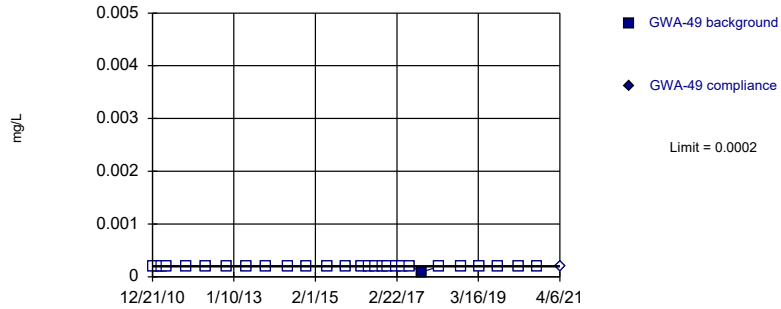


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

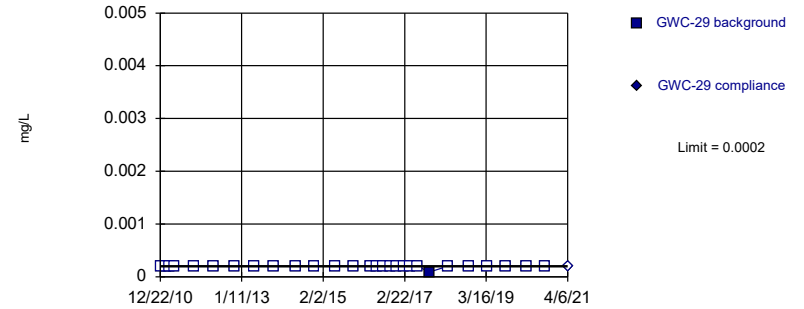


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

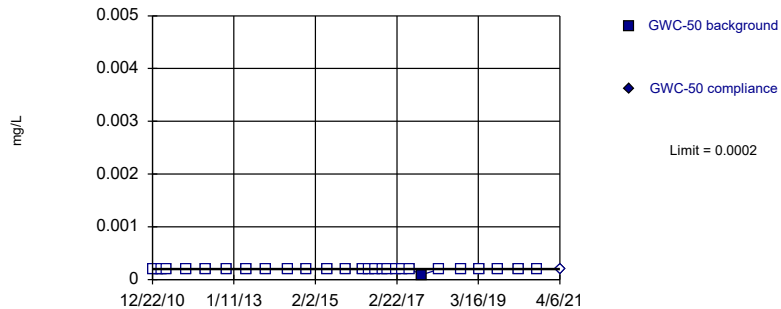


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

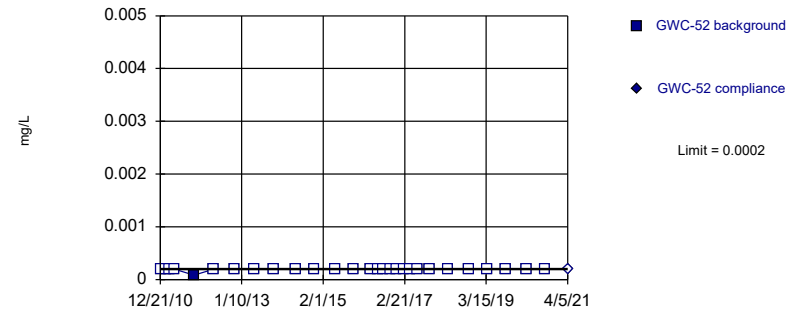


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

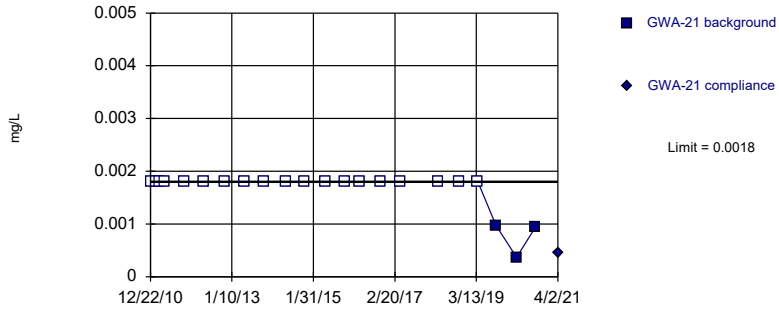


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

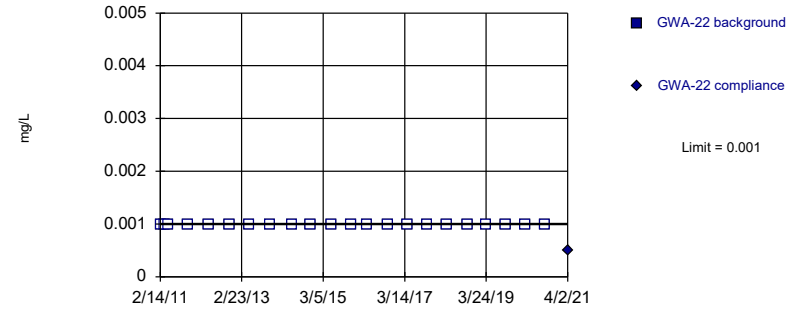


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

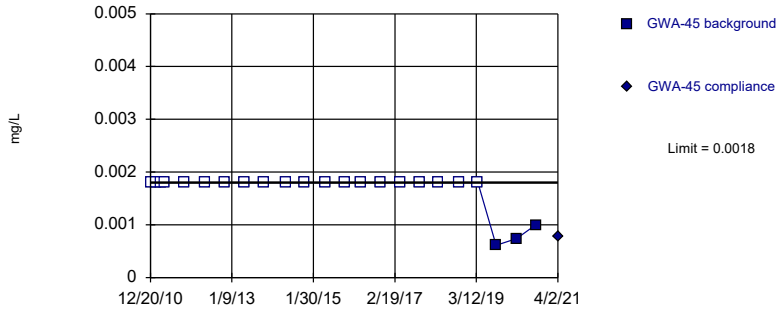


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

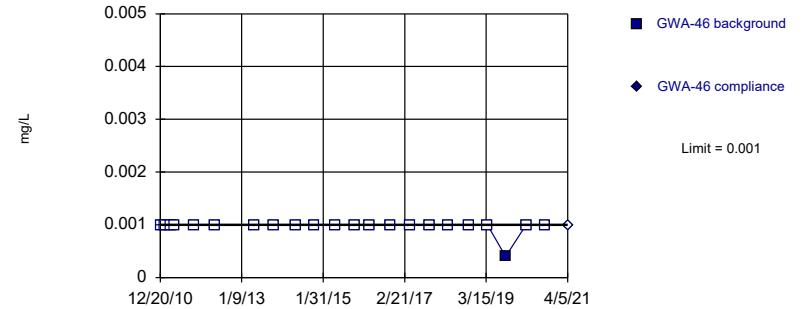


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

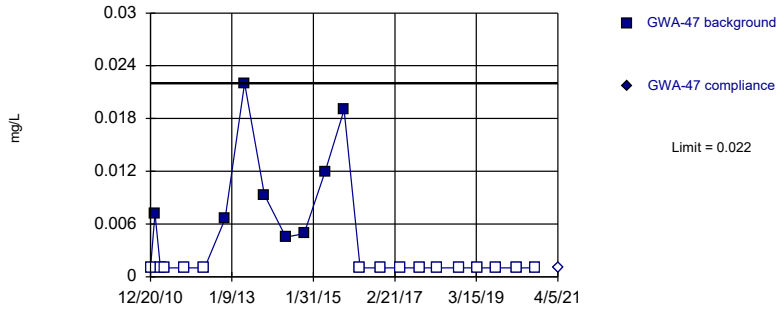


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

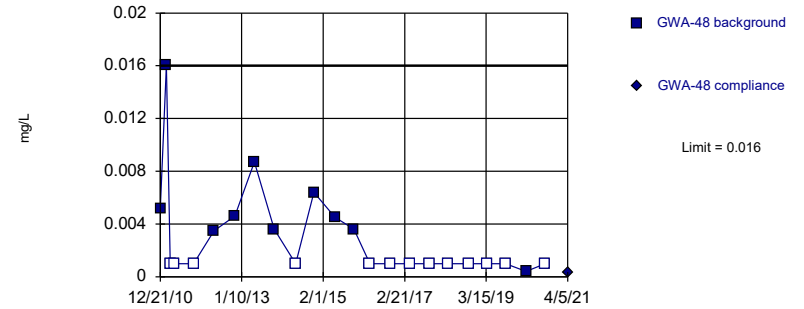


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

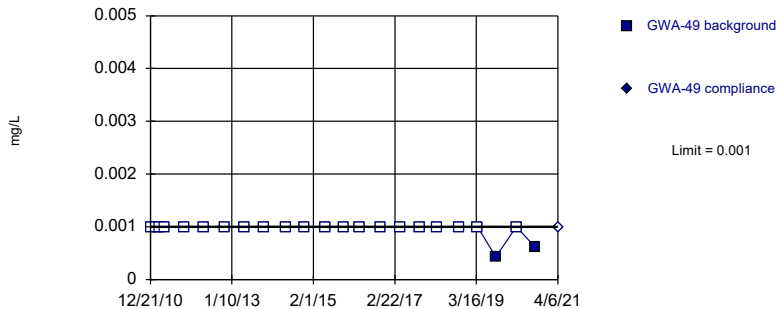


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

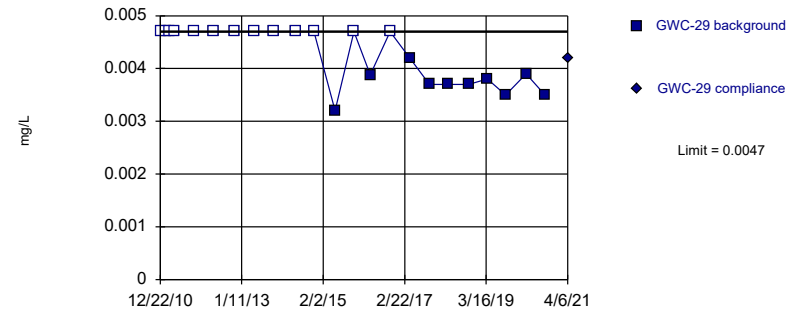


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

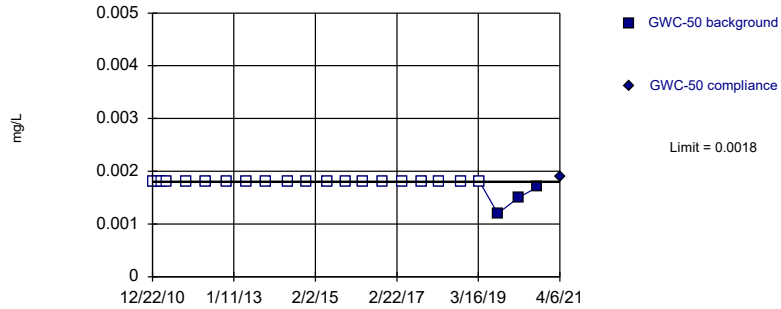


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

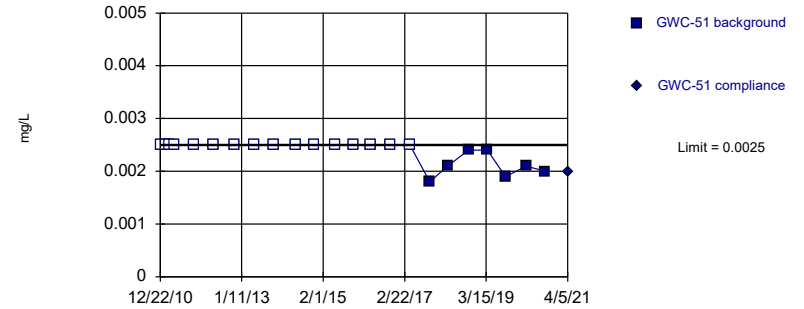


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

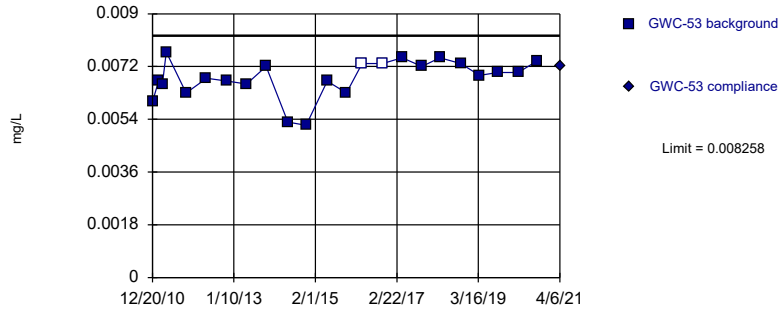


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

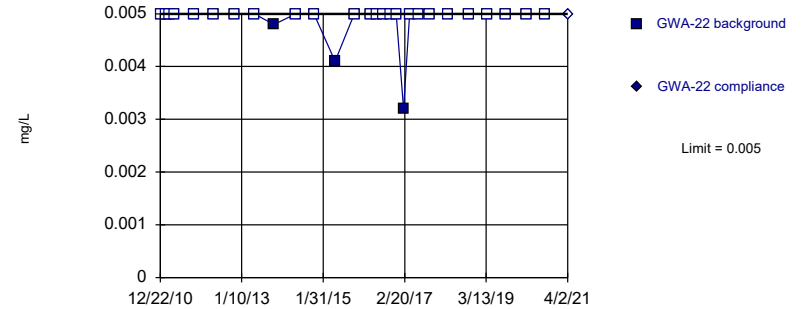


Background Data Summary: Mean=0.006804, Std. Dev.=0.0006526, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9035, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

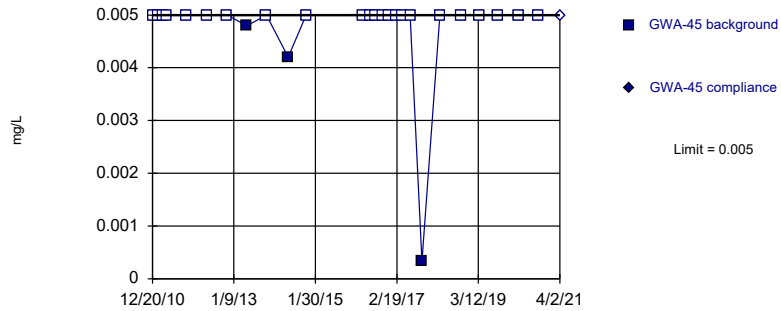


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

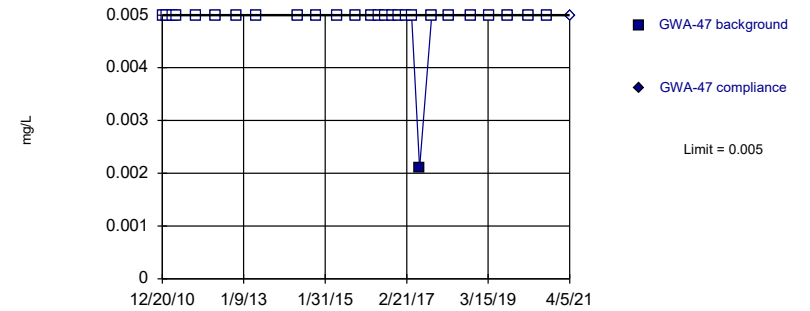


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

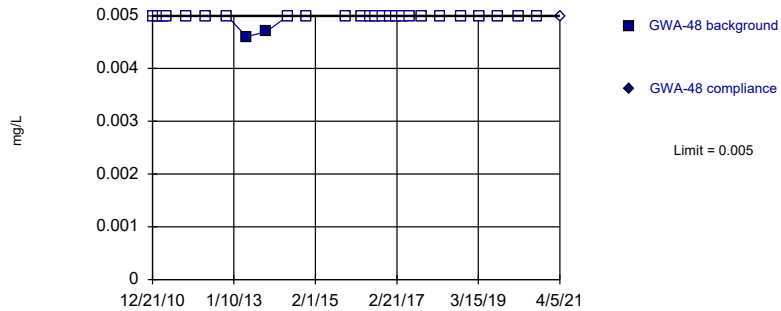


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

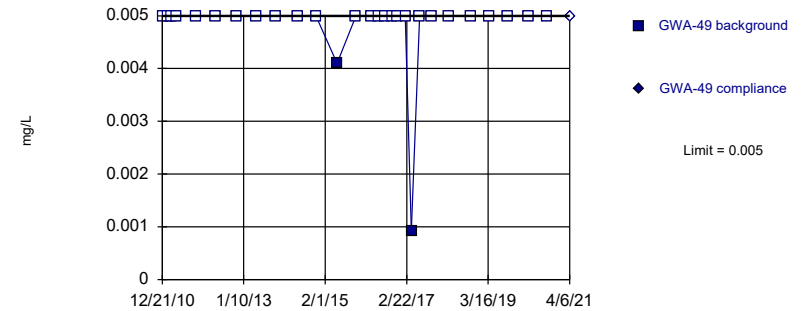


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

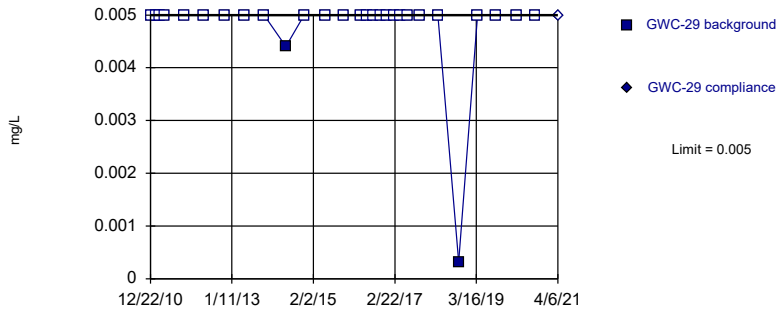


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

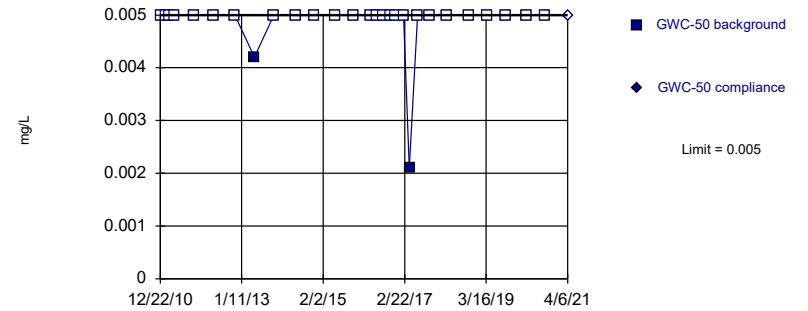


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

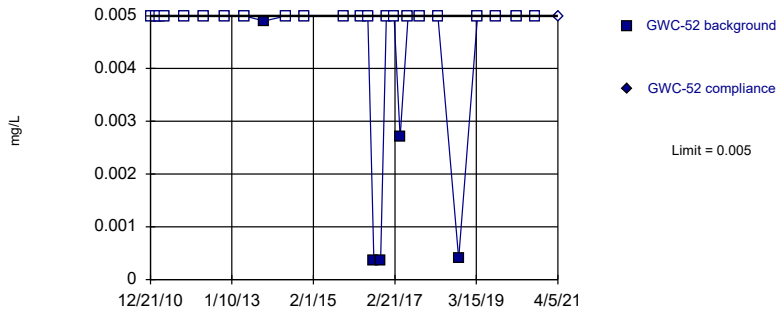


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

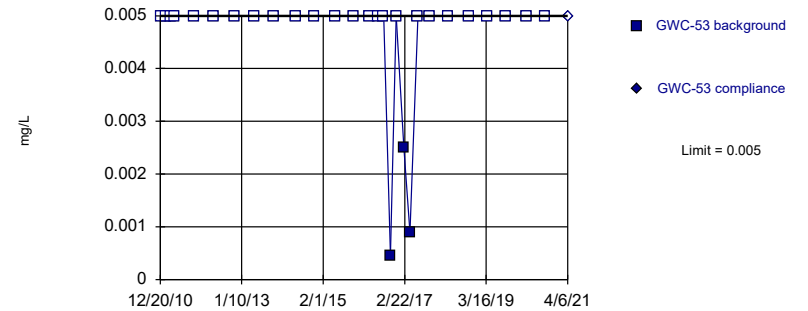


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

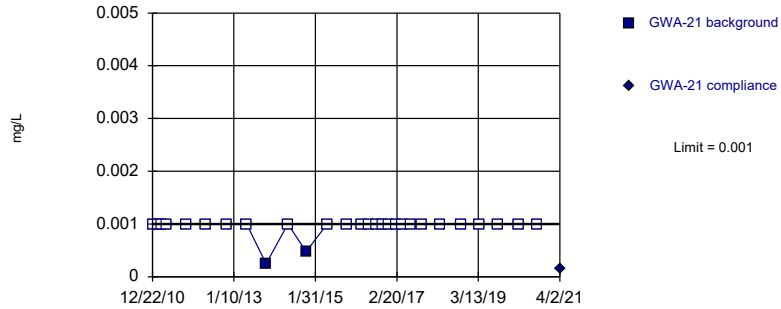


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

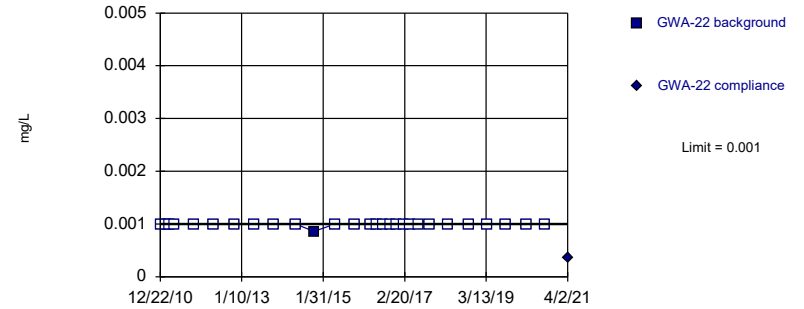


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

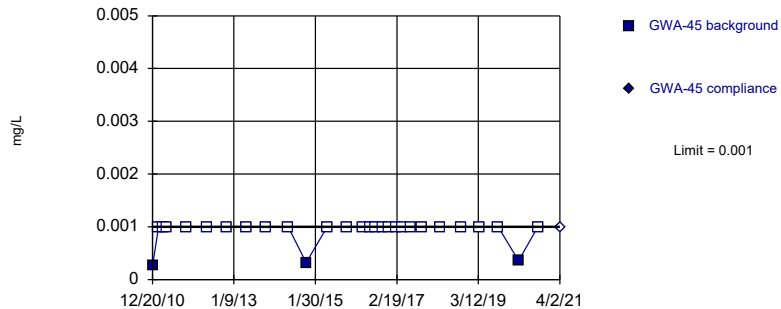


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

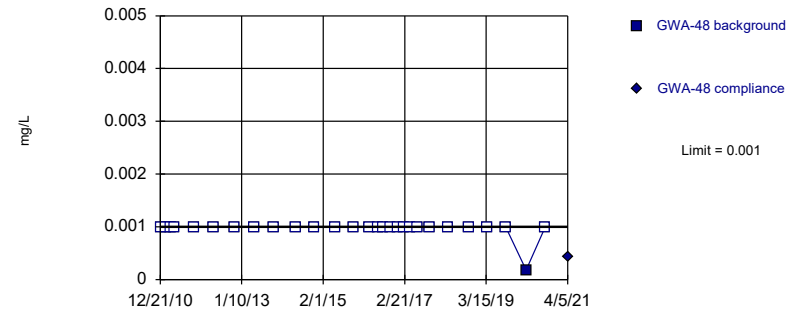


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric



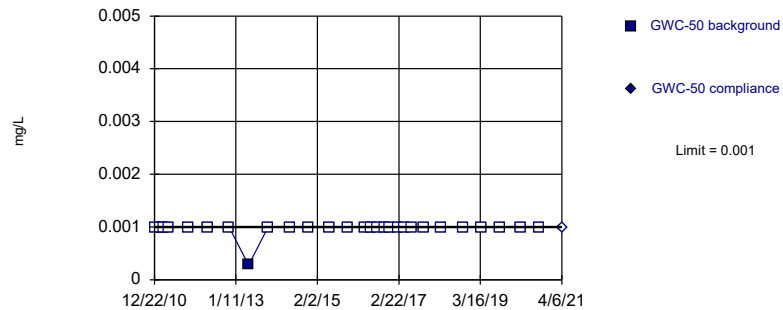
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

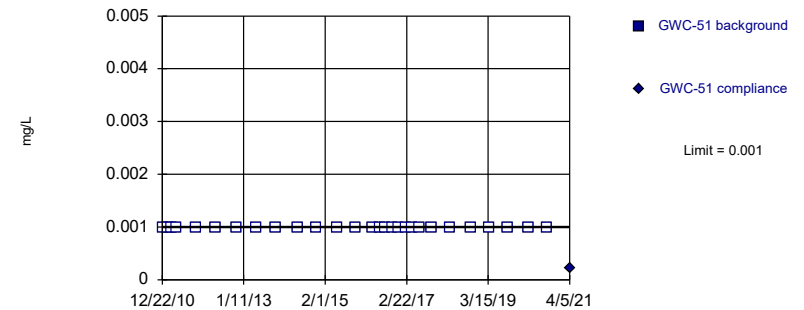


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

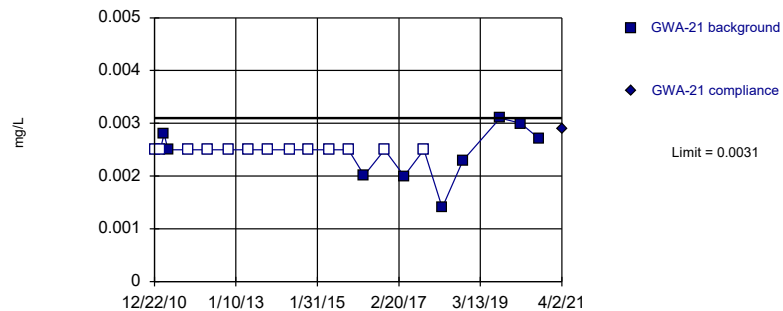


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

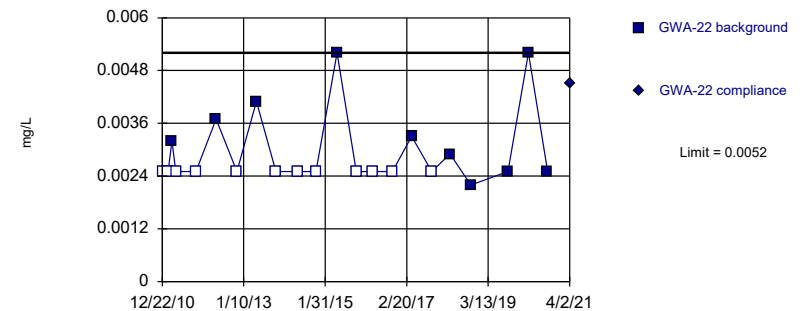


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

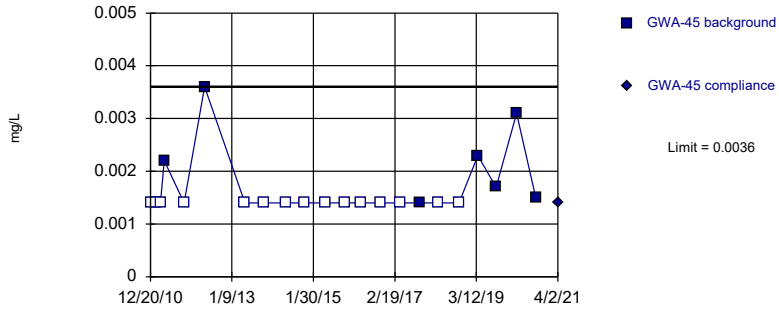


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

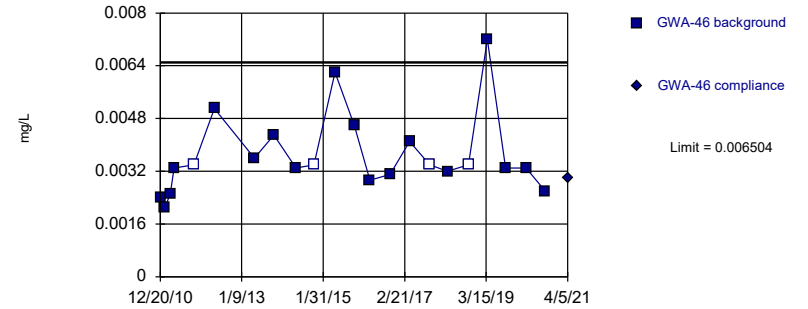


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

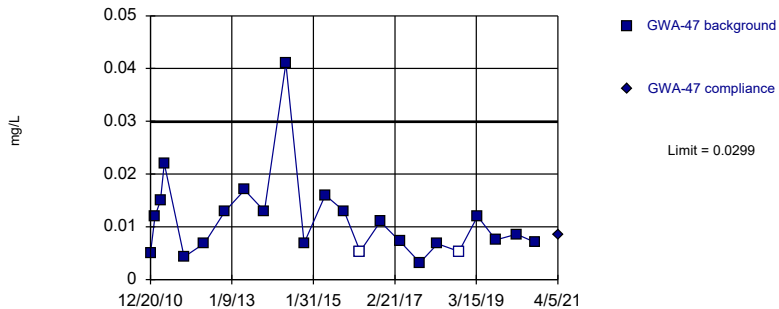


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05801, Std. Dev.=0.01008, n=22, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8906, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

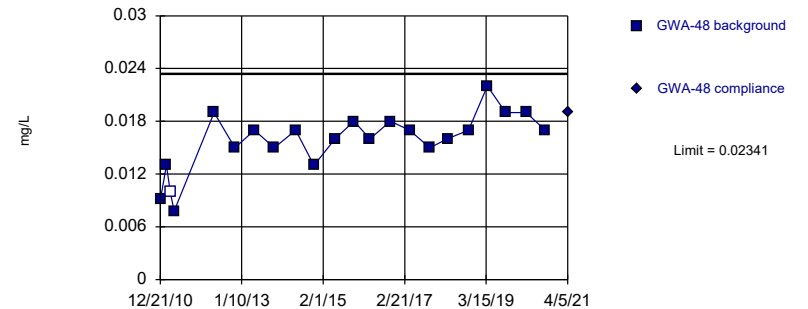


Background Data Summary (based on square root transformation): Mean=0.1014, Std. Dev.=0.03211, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8922, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

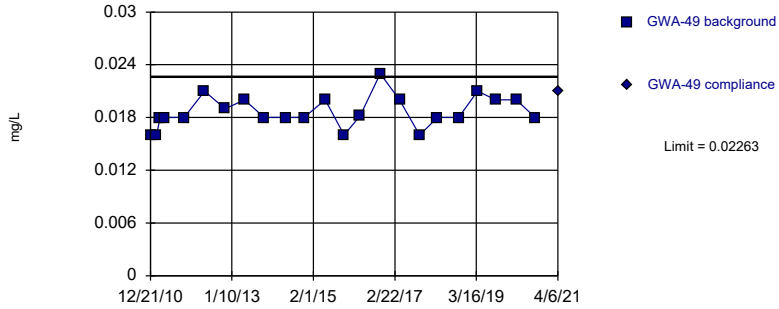


Background Data Summary: Mean=0.01572, Std. Dev.=0.003424, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9221, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

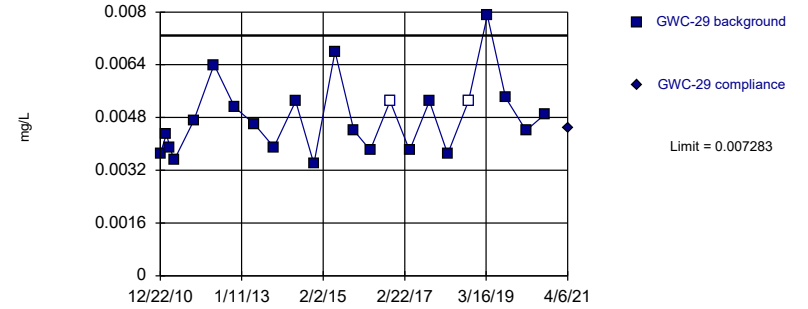


Background Data Summary: Mean=0.01862, Std. Dev.=0.0018, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

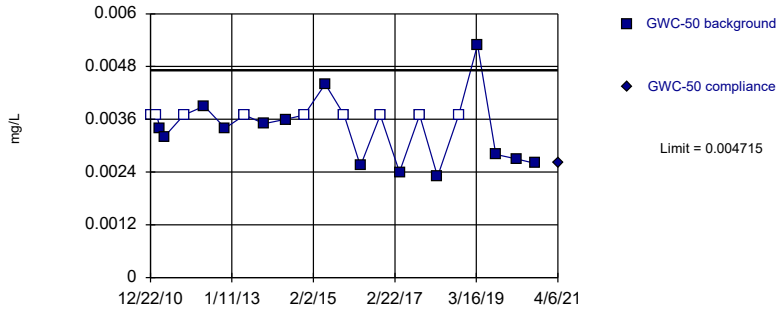


Background Data Summary: Mean=0.004774, Std. Dev.=0.001126, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8977, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

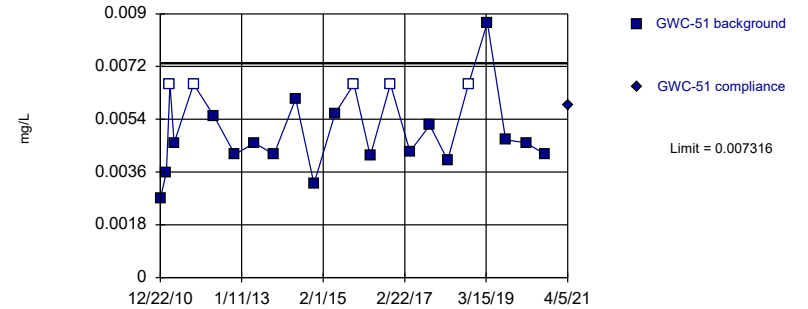


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003096, Std. Dev.=0.0007265, n=23, 39.13% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8898, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

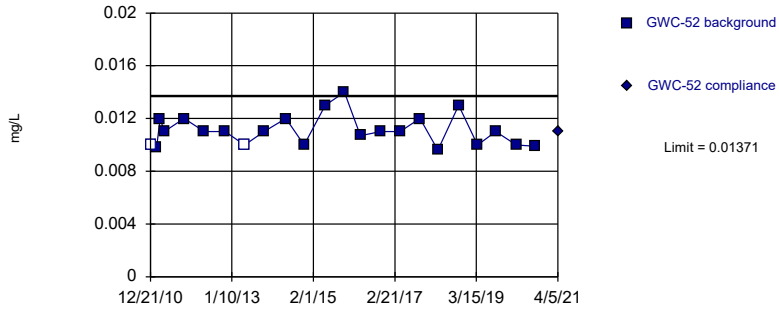


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004446, Std. Dev.=0.001288, n=23, 21.74% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

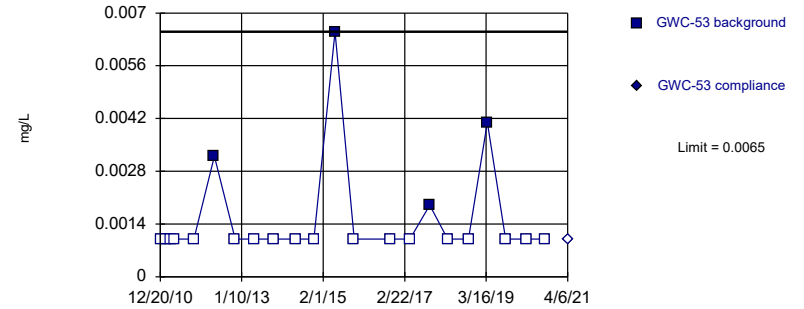


Background Data Summary: Mean=0.01109, Std. Dev.=0.001178, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

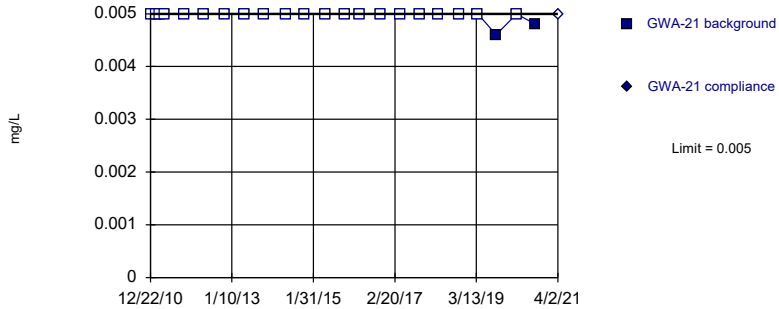


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

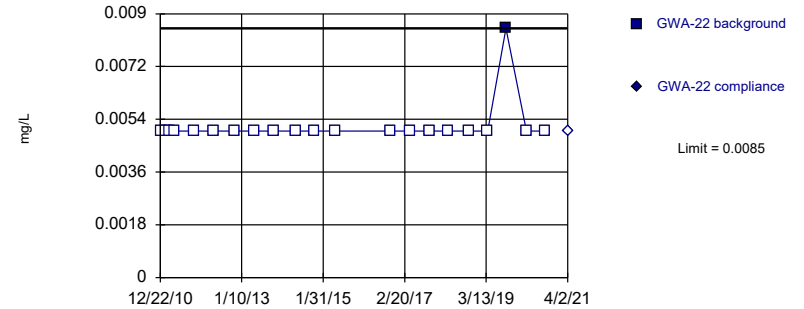


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

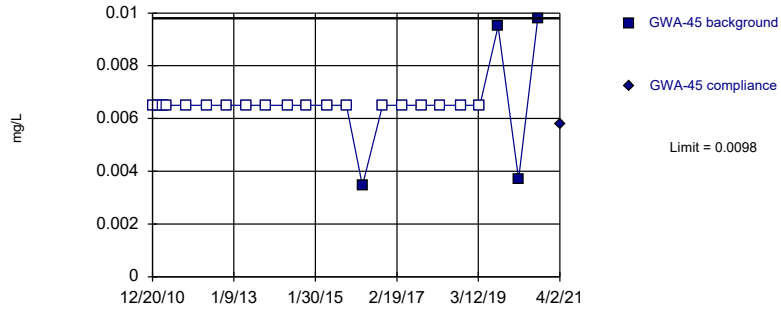


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

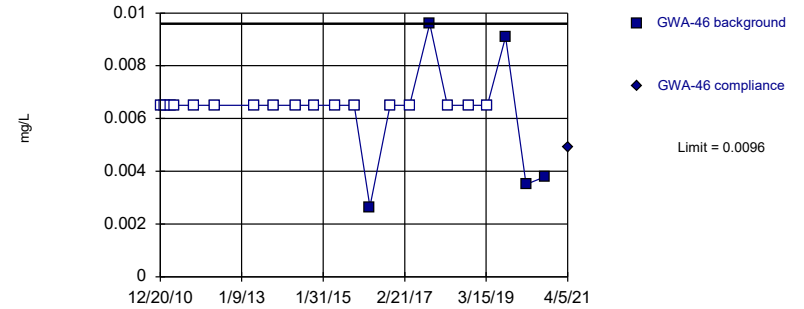


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

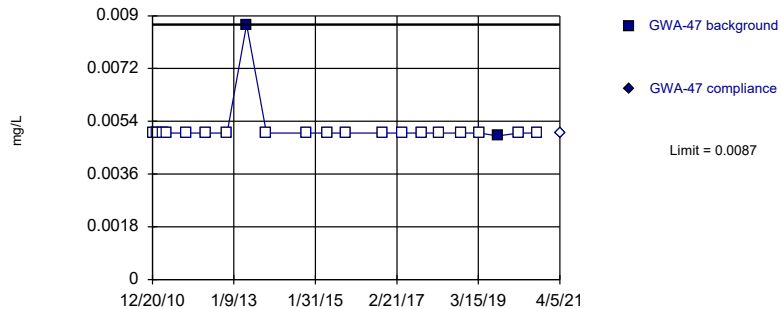


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 77.27% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

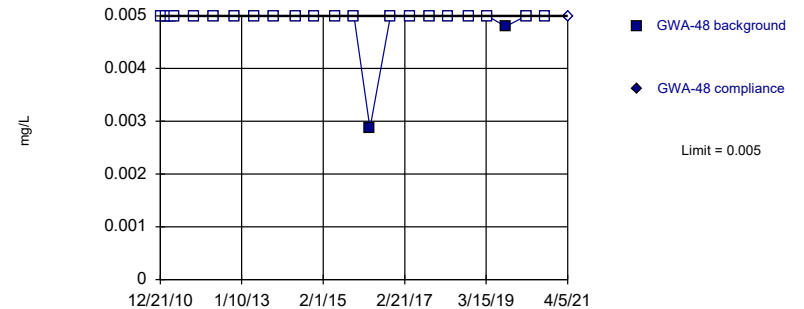


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

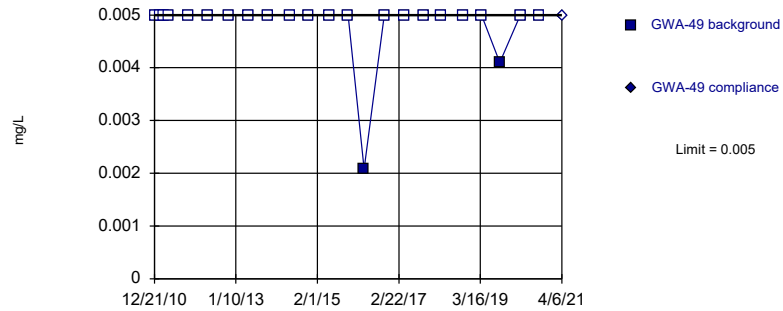


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

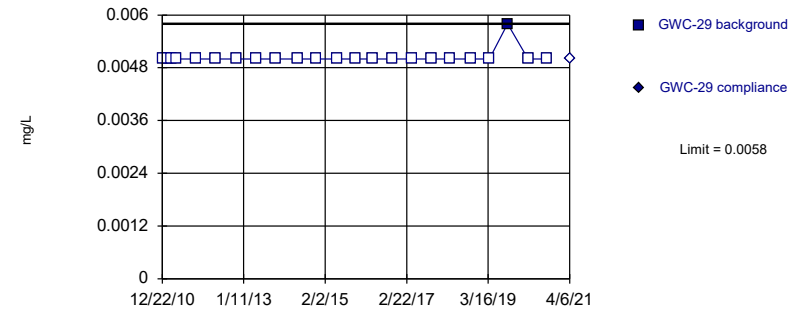


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

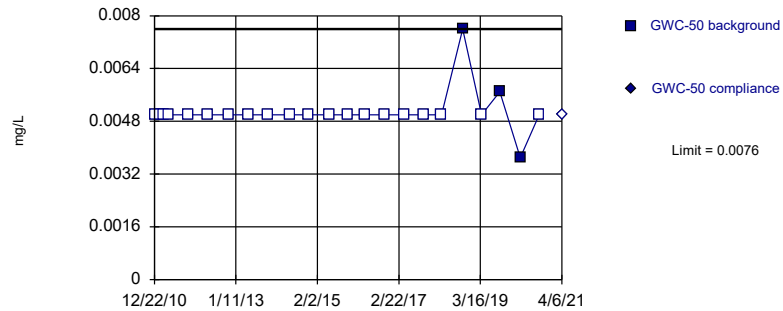


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

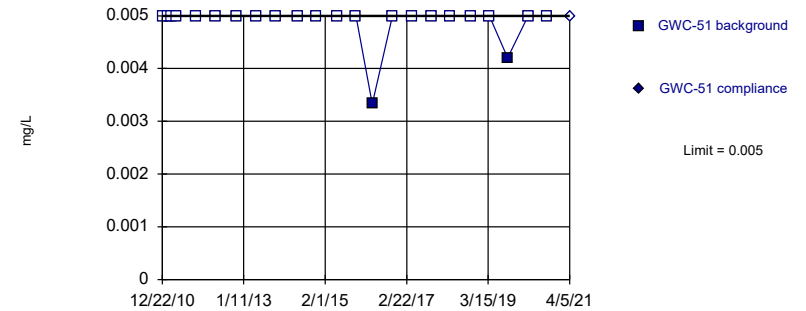


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

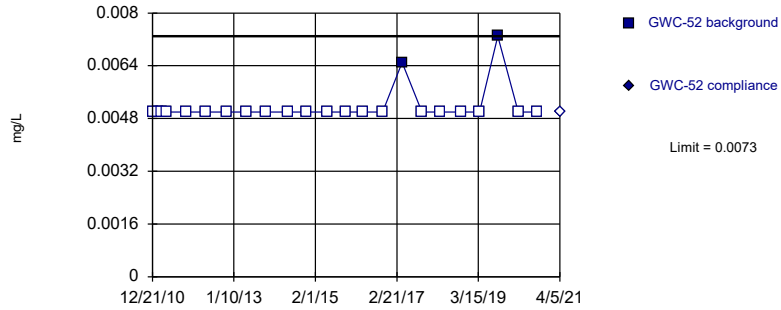


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

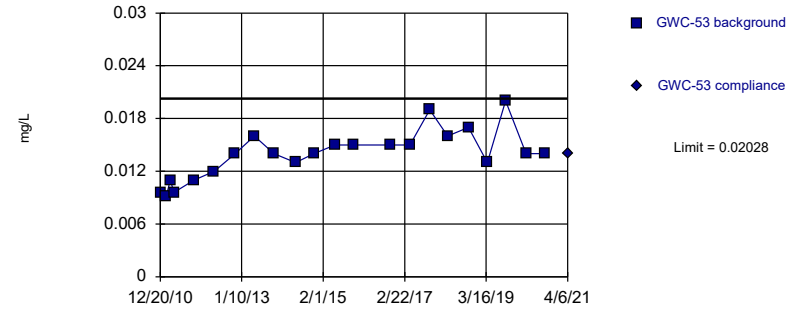


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=0.01392, Std. Dev.=0.002833, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.958, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	0.0015	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/2/2021		<0.001



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	<0.001	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		0.00031 (J)

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	0.00053	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/10/2017	0.0013	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	0.00052	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/13/2016	<0.001	
12/6/2016	<0.001	
2/13/2017	0.0011	
4/11/2017	<0.001	
6/24/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/6/2021		<0.001

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	0.026 (J)	
2/14/2011	0.022 (J)	
3/22/2011	0.02 (J)	
4/26/2011	0.019 (J)	
10/27/2011	0.021	
5/1/2012	0.017	
11/8/2012	0.023	
5/7/2013	0.021	
11/4/2013	0.018	
5/24/2014	0.022	
11/8/2014	0.02	
5/21/2015	0.022	
11/13/2015	0.025	
4/6/2016	0.0239	
6/14/2016	0.021	
8/10/2016	0.019	
10/11/2016	0.02	
12/2/2016	0.022	
2/10/2017	0.03	
4/10/2017	0.025	
6/23/2017	0.026	
10/9/2017	0.025	
3/26/2018	0.026	
10/3/2018	0.00049 (O)	
3/27/2019	0.024	
9/12/2019	0.025	
3/19/2020	0.027	
9/10/2020	0.023	
4/2/2021		0.02

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.028 (J)	
2/14/2011	0.025 (J)	
3/22/2011	0.029 (J)	
4/26/2011	0.031 (J)	
10/27/2011	0.027	
5/1/2012	0.022	
11/8/2012	0.024	
5/7/2013	0.027	
11/4/2013	0.024	
5/24/2014	0.025	
11/8/2014	0.023	
5/21/2015	0.023	
11/13/2015	0.023	
4/8/2016	0.0244	
6/14/2016	0.023	
8/9/2016	0.026	
10/11/2016	0.022	
12/5/2016	0.025	
2/10/2017	0.026	
4/7/2017	0.021	
6/26/2017	0.028	
10/9/2017	0.021	
3/26/2018	0.022 (D)	
10/3/2018	0.022	
3/27/2019	0.022	
9/12/2019	0.023	
3/19/2020	0.024	
9/10/2020	0.022	
4/2/2021		0.023

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.024 (J)	
2/14/2011	0.023 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.019 (J)	
10/26/2011	0.023	
5/1/2012	0.014	
11/8/2012	0.034	
5/8/2013	0.016	
11/4/2013	0.014	
5/24/2014	0.027	
11/7/2014	0.03	
5/20/2015	0.029	
11/13/2015	0.041	
4/7/2016	0.0381	
6/14/2016	0.034	
8/9/2016	0.032	
10/10/2016	0.037	
12/2/2016	0.038	
2/9/2017	0.048	
4/7/2017	0.045	
6/22/2017	0.049	
10/10/2017	0.044	
3/22/2018	0.0495 (D)	
10/3/2018	0.042	
3/27/2019		0.057
9/12/2019		0.1 (L)
12/2/2019		0.11 (R,L)
3/19/2020		0.11 (L)
9/11/2020		0.15 (L)
4/2/2021		0.11 (L)



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.019 (J)	
2/1/2011	0.017 (J)	
3/21/2011	0.019 (J)	
4/26/2011	0.02 (J)	
10/27/2011	0.018	
5/2/2012	0.017	
11/8/2012	0.048 (O)	
5/7/2013	0.02	
11/4/2013	0.019	
5/24/2014	0.019	
11/7/2014	0.019	
5/20/2015	0.018	
11/13/2015	0.02	
4/7/2016	0.0207	
6/14/2016	0.019	
8/9/2016	0.017	
10/10/2016	0.02	
12/2/2016	0.02	
2/10/2017	0.018	
4/7/2017	0.02	
6/23/2017	0.021	
10/10/2017	0.018	
3/23/2018	0.02	
10/4/2018	0.019	
3/27/2019	0.021	
9/12/2019	0.022	
3/19/2020	0.023	
9/11/2020	0.022	
4/5/2021		0.022

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.029 (J)	
2/1/2011	0.038 (J)	
3/23/2011	0.045 (J)	
4/27/2011	0.043 (J)	
10/26/2011	0.023	
5/1/2012	0.021	
11/8/2012	0.038	
5/7/2013	0.042	
11/5/2013	0.039	
5/23/2014	0.088 (O)	
11/7/2014	0.027	
5/21/2015	0.036	
11/12/2015	0.038	
4/8/2016	0.0261	
6/14/2016	0.023	
8/9/2016	0.026	
10/11/2016	0.03	
12/5/2016	0.026	
2/10/2017	0.023	
4/7/2017	0.024	
6/22/2017	0.025	
10/10/2017	0.022	
3/22/2018	0.024	
10/5/2018	0.026	
3/27/2019	0.026	
9/12/2019	0.028	
3/20/2020	0.029	
9/11/2020	0.026	
4/5/2021		0.028

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.055 (O)	
2/14/2011	0.05 (O)	
3/23/2011	0.031 (J)	
4/27/2011	0.015 (J)	
10/25/2011	0.02	
5/1/2012	0.017	
11/8/2012	0.012	
5/7/2013	0.022	
11/5/2013	0.012	
5/23/2014	0.02	
11/7/2014	0.012	
5/21/2015	0.011	
11/12/2015	0.012	
4/7/2016	0.0116	
6/17/2016	0.012	
8/10/2016	0.012	
10/14/2016	0.016	
12/19/2016	0.012	
2/13/2017	0.017	
4/7/2017	0.011	
6/22/2017	0.014	
10/10/2017	0.012	
3/23/2018	0.012	
10/3/2018	0.012	
3/27/2019	0.013	
9/12/2019	0.016	
3/19/2020	0.02	
9/11/2020	0.013	
4/5/2021		0.015

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	0.021 (J)	
2/14/2011	0.021 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.021 (J)	
10/26/2011	0.019	
5/2/2012	0.018	
11/8/2012	0.018	
5/8/2013	0.017	
11/5/2013	0.019	
5/23/2014	0.021	
11/7/2014	0.019	
5/21/2015	0.02	
11/12/2015	0.019	
4/7/2016	0.0201	
6/14/2016	0.017	
8/9/2016	0.017	
10/11/2016	0.02	
12/2/2016	0.02	
2/9/2017	0.018	
4/7/2017	0.018	
6/22/2017	0.02	
10/10/2017	0.02	
3/22/2018	0.018	
10/3/2018	0.018	
3/27/2019	0.019	
9/12/2019	0.022	
3/19/2020	0.02	
9/10/2020	0.02	
4/6/2021		0.02

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.016 (J)	
2/15/2011	0.016 (J)	
3/22/2011	0.014 (J)	
4/27/2011	0.016 (J)	
10/26/2011	0.015	
5/2/2012	0.012	
11/8/2012	0.015	
5/8/2013	0.014	
11/4/2013	0.016	
5/24/2014	0.015	
11/7/2014	0.016	
5/22/2015	0.015	
11/13/2015	0.016	
4/11/2016	0.0167	
6/15/2016	0.015	
8/10/2016	0.015	
10/11/2016	0.017	
12/5/2016	0.017	
2/13/2017	0.016	
4/10/2017	0.015	
6/23/2017	0.017	
10/10/2017	0.016	
3/26/2018	0.015	
10/4/2018	0.018	
3/28/2019	0.017	
9/12/2019	0.019	
3/19/2020	0.019	
9/10/2020	0.02	
4/6/2021		0.018

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	0.011 (J)	
2/15/2011	0.013 (J)	
3/22/2011	0.01 (J)	
4/27/2011	0.011 (J)	
10/26/2011	0.013	
5/2/2012	0.0084 (J)	
11/8/2012	0.012	
5/8/2013	0.013	
11/4/2013	0.012	
5/24/2014	0.012	
11/8/2014	0.01	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.0132	
6/15/2016	0.011	
8/10/2016	0.012	
10/11/2016	0.012	
12/2/2016	0.012	
2/13/2017	0.013	
4/7/2017	0.01	
6/22/2017	0.012	
10/10/2017	0.011	
3/23/2018	0.011	
10/4/2018	0.012	
3/28/2019	0.012	
9/12/2019	0.013	
3/19/2020	0.013	
9/10/2020	0.013	
4/6/2021		0.013

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	0.011 (J)	
2/15/2011	0.013 (J)	
3/22/2011	0.01 (J)	
4/27/2011	0.011 (J)	
10/26/2011	0.0099 (J)	
5/2/2012	0.0085 (J)	
11/8/2012	<0.01	
5/8/2013	0.0094 (J)	
11/4/2013	0.0094 (J)	
5/24/2014	0.0094 (J)	
11/7/2014	0.0094 (J)	
5/22/2015	0.0092 (J)	
11/13/2015	0.0095 (J)	
4/11/2016	0.0105	
6/16/2016	0.0089 (J)	
8/10/2016	0.0082	
10/13/2016	0.0088	
12/5/2016	0.01	
2/13/2017	0.0097	
4/10/2017	0.0082	
6/23/2017	0.01	
10/11/2017	0.0092	
3/26/2018	0.0094	
10/4/2018	0.0093	
3/27/2019	0.011	
9/12/2019	0.011	
3/19/2020	0.011	
9/11/2020	0.01	
4/5/2021		0.01

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01 (J)	
2/15/2011	0.0086 (J)	
3/21/2011	0.009 (J)	
4/28/2011	0.012 (J)	
10/26/2011	0.0093 (J)	
5/1/2012	0.0048 (J)	
11/9/2012	0.0091 (J)	
5/8/2013	0.0096 (J)	
11/4/2013	0.012	
5/24/2014	0.011	
11/7/2014	0.011	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.012	
6/16/2016	0.011	
8/11/2016	0.012	
10/13/2016	0.012	
12/5/2016	0.013	
2/13/2017	0.012	
4/11/2017	0.012	
6/24/2017	0.013	
10/11/2017	0.012	
3/26/2018	0.013	
10/4/2018	0.013	
3/28/2019	0.014	
9/12/2019	0.017	
3/19/2020	0.018	
9/11/2020	0.017	
4/5/2021		0.019



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.11	
2/14/2011	<0.1	
3/21/2011	<0.1	
4/27/2011	0.091 (J)	
10/26/2011	0.1	
5/1/2012	0.095	
11/9/2012	0.093	
5/8/2013	0.077	
11/4/2013	0.083	
5/24/2014	0.07	
11/7/2014	0.065	
5/20/2015	0.058	
11/13/2015	0.058	
4/8/2016	0.0619	
6/16/2016	0.052	
8/11/2016	0.044	
10/13/2016	0.049	
12/6/2016	0.047	
2/13/2017	0.05	
4/11/2017	0.053	
6/24/2017	0.054	
10/11/2017	0.05	
3/26/2018	0.05	
10/4/2018	0.042	
3/28/2019	0.045	
9/12/2019	0.043	
3/19/2020	0.047	
9/11/2020	0.044	
4/6/2021		0.041

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/26/2017	<0.0025	
10/9/2017	<0.0025	
3/26/2018	<0.0025 (D)	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/2/2021		0.00019 (J)

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	2E-05 (J)	
8/10/2016	<0.0025	
10/13/2016	<0.0025	
12/5/2016	<0.0025	
2/13/2017	<0.0025	
4/10/2017	<0.0025	
6/23/2017	<0.0025	
10/11/2017	<0.0025	
3/26/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	0.0016	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/5/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/20/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/15/2016	7.4E-05 (J)	
8/10/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	<0.0025	
2/13/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/28/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/6/2021		<0.0025

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	0.0052	
2/14/2011	0.0057	
3/22/2011	0.0055	
4/26/2011	0.0069	
10/27/2011	0.011	
5/1/2012	0.0056	
11/8/2012	<0.01	
5/7/2013	0.0036 (J)	
11/4/2013	0.0032 (J)	
5/24/2014	0.0043 (J)	
11/8/2014	<0.01	
5/21/2015	0.002 (J)	
11/13/2015	<0.01	
4/6/2016	0.00278 (J)	
6/14/2016	<0.01	
8/10/2016	0.0019 (J)	
10/11/2016	0.0024 (J)	
12/2/2016	0.0023 (J)	
2/10/2017	0.0021 (J)	
4/10/2017	0.002 (J)	
6/23/2017	0.0018 (J)	
10/9/2017	0.0016 (J)	
3/26/2018	0.0011 (J)	
10/3/2018	0.0014 (J)	
3/27/2019	0.003	
9/12/2019	0.0047	
3/19/2020	0.0026	
9/10/2020	0.0019 (J)	
4/2/2021		0.0029

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.0029 (J)	
2/14/2011	0.0027 (J)	
3/22/2011	0.0049 (J)	
4/26/2011	0.0048 (J)	
10/27/2011	0.0023 (J)	
5/1/2012	0.0051	
11/8/2012	0.0034 (J)	
5/7/2013	0.0078	
11/4/2013	0.0055 (J)	
5/24/2014	0.0075 (J)	
11/8/2014	0.0048 (J)	
5/21/2015	0.0082 (J)	
11/13/2015	0.0079 (J)	
4/8/2016	<0.01	
6/14/2016	<0.01	
8/9/2016	0.0079	
10/11/2016	0.0069	
12/5/2016	0.0077	
2/10/2017	0.0098	
4/7/2017	0.0081	
6/26/2017	0.0084	
10/9/2017	0.0082	
3/26/2018	0.0088	
10/3/2018	0.0086	
3/27/2019	0.0078	
9/12/2019	0.0092	
3/19/2020	0.011	
9/10/2020	0.0077	
4/2/2021		0.01

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.0036 (J)	
2/1/2011	0.0037 (J)	
3/21/2011	0.004 (J)	
4/26/2011	0.0037 (J)	
10/27/2011	0.0047 (J)	
5/2/2012	0.005 (J)	
11/8/2012	0.0081	
5/7/2013	0.0035 (J)	
11/4/2013	0.0056 (J)	
5/24/2014	0.005 (J)	
11/7/2014	0.004 (J)	
5/20/2015	0.0062 (J)	
11/13/2015	0.0067 (J)	
4/7/2016	0.00467 (J)	
6/14/2016	<0.01	
8/9/2016	0.0041	
10/10/2016	0.0041	
12/2/2016	0.0039	
2/10/2017	0.0044	
4/7/2017	0.0046	
6/23/2017	0.005	
10/10/2017	0.0088	
3/23/2018	0.0045	
10/4/2018	0.0047	
3/27/2019	0.0048	
9/12/2019	0.0051	
3/19/2020	0.0043	
9/11/2020	0.0042	
4/5/2021		0.0041



# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0064	
2/1/2011	0.015	
3/23/2011	0.0084	
4/27/2011	0.011	
10/26/2011	0.0061	
5/1/2012	0.0072	
11/8/2012	0.015	
5/7/2013	0.044	
11/5/2013	0.023	
5/23/2014	0.022	
11/7/2014	0.013	
5/21/2015	0.029	
11/12/2015	0.045	
4/8/2016	<0.01	
6/14/2016	<0.01	
8/9/2016	0.008	
10/11/2016	0.0079	
12/5/2016	0.0057	
2/10/2017	0.0062	
4/7/2017	0.0072	
6/22/2017	0.0074	
10/10/2017	0.0072	
3/22/2018	0.0074	
10/5/2018	0.0083	
3/27/2019	0.0081	
9/12/2019	0.0088	
3/20/2020	0.0085	
9/11/2020	0.0081	
4/5/2021		0.0084

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0094	
2/14/2011	0.028	
3/23/2011	0.0042 (J)	
4/27/2011	<0.01	
10/25/2011	0.0062	
5/1/2012	0.011	
11/8/2012	0.0089	
5/7/2013	0.019	
11/5/2013	0.0057 (J)	
5/23/2014	0.0084 (J)	
11/7/2014	0.011	
5/21/2015	0.013	
11/12/2015	0.015	
4/7/2016	0.00498 (J)	
6/17/2016	<0.01	
8/10/2016	0.0047	
10/14/2016	0.0056	
12/19/2016	0.0039	
2/13/2017	0.0059	
4/7/2017	0.0051	
6/22/2017	0.005	
10/10/2017	0.005	
3/23/2018	0.005	
10/3/2018	0.0051	
3/27/2019	0.0051	
9/12/2019	0.0085	
3/19/2020	0.0063	
9/11/2020	0.0053	
4/5/2021		0.0061

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	0.0073	
2/14/2011	0.0051	
3/21/2011	0.0067	
4/26/2011	0.0065	
10/26/2011	0.0068	
5/2/2012	0.011	
11/8/2012	0.0052	
5/8/2013	0.0059	
11/5/2013	0.0044 (J)	
5/23/2014	0.0087 (J)	
11/7/2014	0.0048 (J)	
5/21/2015	0.006 (J)	
11/12/2015	0.007 (J)	
4/7/2016	0.0056 (J)	
6/14/2016	<0.01	
8/9/2016	0.0053	
10/11/2016	0.0058	
12/2/2016	0.0071	
2/9/2017	0.0051	
4/7/2017	0.006	
6/22/2017	0.0056	
10/10/2017	0.0073	
3/22/2018	0.0051	
10/3/2018	0.0052	
3/27/2019	0.0056	
9/12/2019	0.0075	
3/19/2020	0.0055	
9/10/2020	0.0063	
4/6/2021		0.0055

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.0026 (J)	
2/15/2011	<0.002	
3/22/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	0.0027 (J)	
5/24/2014	0.0027 (J)	
11/7/2014	<0.002	
5/22/2015	0.0034 (J)	
11/13/2015	0.0038 (J)	
4/11/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	0.0014 (J)	
10/11/2016	0.0017 (J)	
12/5/2016	0.0014 (J)	
2/13/2017	0.0016 (J)	
4/10/2017	0.0014 (J)	
6/23/2017	0.0014 (J)	
10/10/2017	0.0039	
3/26/2018	0.0013 (J)	
10/4/2018	0.0014 (J)	
3/28/2019	0.0012 (J)	
9/12/2019	0.0021 (J)	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	0.0034 (J)	
2/15/2011	0.0034 (J)	
3/22/2011	0.0037 (J)	
4/27/2011	0.0038 (J)	
10/26/2011	0.0039 (J)	
5/2/2012	0.0044 (J)	
11/8/2012	0.0026 (J)	
5/8/2013	0.0038 (J)	
11/4/2013	0.0063 (J)	
5/24/2014	0.0061 (J)	
11/8/2014	<0.01	
5/22/2015	0.0037 (J)	
11/13/2015	0.0055 (J)	
4/11/2016	0.00479 (J)	
6/15/2016	<0.01	
8/10/2016	0.0047	
10/11/2016	0.0048	
12/2/2016	0.0043	
2/13/2017	0.0047	
4/7/2017	0.0044	
6/22/2017	0.0045	
10/10/2017	0.005	
3/23/2018	0.0042	
10/4/2018	0.005	
3/28/2019	0.0043	
9/12/2019	0.006	
3/19/2020	0.0047	
9/10/2020	0.0047	
4/6/2021		0.0044

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	0.0036 (J)	
2/15/2011	0.0038 (J)	
3/22/2011	0.0022 (J)	
4/27/2011	0.0042 (J)	
10/26/2011	0.0042 (J)	
5/2/2012	0.0037 (J)	
11/8/2012	<0.01	
5/8/2013	0.0032 (J)	
11/4/2013	0.0063 (J)	
5/24/2014	0.003 (J)	
11/7/2014	<0.01	
5/22/2015	0.0023 (J)	
11/13/2015	0.0042 (J)	
4/11/2016	0.00309 (J)	
6/16/2016	<0.01	
8/10/2016	0.0023 (J)	
10/13/2016	0.0028	
12/5/2016	0.0032	
2/13/2017	0.0021 (J)	
4/10/2017	0.0022 (J)	
6/23/2017	0.0025	
10/11/2017	0.0027	
3/26/2018	0.0028	
10/4/2018	0.0041	
3/27/2019	0.0044	
9/12/2019	0.0043	
3/19/2020	0.0032	
9/11/2020	0.0041	
4/5/2021		0.0054

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01	
2/15/2011	0.0087	
3/21/2011	0.0083	
4/28/2011	0.0076	
10/26/2011	0.0078	
5/1/2012	0.0049 (J)	
11/9/2012	0.0066	
5/8/2013	0.0082	
11/4/2013	0.013	
5/24/2014	0.012	
11/7/2014	0.0084 (J)	
5/22/2015	0.0096 (J)	
11/13/2015	0.011	
4/11/2016	0.0101	
6/16/2016	<0.01	
8/11/2016	0.0097	
10/13/2016	0.012	
12/5/2016	0.012	
2/13/2017	0.011	
4/11/2017	0.011	
6/24/2017	0.0095	
10/11/2017	0.0096	
3/26/2018	0.012	
10/4/2018	0.016	
3/28/2019		0.019
9/12/2019		0.027
3/19/2020		0.029
9/11/2020		0.028
4/5/2021		0.031

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.002	
2/14/2011	<0.002	
3/21/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	0.0033 (J)	
5/1/2012	0.0025 (J)	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	0.0035 (J)	
5/24/2014	0.0027 (J)	
11/7/2014	<0.002	
5/20/2015	0.0021 (J)	
11/13/2015	0.0041 (J)	
4/8/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	0.0013 (J)	
10/13/2016	0.0018 (J)	
12/6/2016	0.0014 (J)	
2/13/2017	0.0021 (J)	
4/11/2017	0.0012 (J)	
6/24/2017	0.0017 (J)	
10/11/2017	0.0013 (J)	
3/26/2018	0.0014 (J)	
10/4/2018	<0.002	
3/28/2019	<0.002	
9/12/2019	0.002 (J)	
3/19/2020	<0.002	
9/11/2020	0.0023	
4/6/2021		<0.002



# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0004	
2/14/2011	<0.0004	
3/22/2011	<0.0004	
4/26/2011	<0.0004	
10/27/2011	<0.0004	
5/1/2012	<0.0004	
11/8/2012	<0.0004	
5/7/2013	<0.0004	
11/4/2013	<0.0004	
5/24/2014	<0.0004	
11/8/2014	<0.0004	
5/21/2015	<0.0004	
11/13/2015	<0.0004	
4/6/2016	<0.0004	
6/14/2016	6.6E-05 (J)	
8/10/2016	<0.0004	
10/11/2016	0.00047 (J)	
12/2/2016	0.0014 (J)	
2/10/2017	0.00052 (J)	
4/10/2017	<0.0004	
6/23/2017	<0.0004	
10/9/2017	0.00053 (J)	
3/26/2018	0.00088 (J)	
10/3/2018	0.0014 (J)	
3/27/2019	<0.0004	
9/12/2019	0.0004 (J)	
3/19/2020	0.00015 (J)	
9/10/2020	0.00019 (J)	
4/2/2021		0.00016 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.0038 (O)	
2/14/2011	<0.0025	
3/22/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	0.00042 (J)	
8/9/2016	0.00068 (J)	
10/11/2016	<0.0025	
12/5/2016	0.0012 (J)	
2/10/2017	0.0013 (J)	
4/7/2017	<0.0025	
6/26/2017	0.00073 (J)	
10/9/2017	<0.0025	
3/26/2018	<0.0025 (D)	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	0.00014 (J)	
4/2/2021		0.00026 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.012	
2/14/2011	0.0093 (J)	
3/21/2011	0.0076 (J)	
4/26/2011	0.0058 (J)	
10/26/2011	0.005 (J)	
5/1/2012	0.0032 (J)	
11/8/2012	0.0034 (J)	
5/8/2013	<0.01	
11/4/2013	<0.01	
5/24/2014	<0.01	
11/7/2014	<0.01	
5/20/2015	<0.01	
11/13/2015	<0.01	
4/7/2016	<0.01	
6/14/2016	0.0031 (J)	
8/9/2016	0.0023 (J)	
10/10/2016	0.0024 (J)	
12/2/2016	0.0021 (J)	
2/9/2017	0.00096 (J)	
4/7/2017	0.0034	
6/22/2017	0.0029	
10/10/2017	0.0025	
3/22/2018	0.0015 (JD)	
10/3/2018	0.0018 (J)	
3/27/2019	0.00083 (J)	
9/12/2019	0.0018 (J)	
3/19/2020	0.0005 (J)	
9/11/2020	0.0035	
4/2/2021		0.002 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/20/2015	<0.0025	
11/13/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
10/10/2016	<0.0025	
12/2/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/23/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	9.5E-05 (J)	
3/19/2020	0.00025 (J)	
9/11/2020	<0.0025	
4/5/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0033 (O)	
2/1/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	0.0048 (O)	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	4.2E-05 (J)	
8/9/2016	<0.0025	
10/11/2016	0.00052 (J)	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/5/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00011 (J)	
3/20/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		0.00017 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/25/2011	<0.0025	
5/1/2012	0.0039 (O)	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/17/2016	0.00017 (J)	
8/10/2016	<0.0025	
10/14/2016	<0.0025	
12/19/2016	<0.0025	
2/13/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	0.00029 (J)	
9/11/2020	<0.0025	
4/5/2021		0.00019 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	0.0004 (J)	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00017 (J)	
3/19/2020	<0.0025	
9/10/2020	0.0002 (J)	
4/6/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/10/2016	<0.0025	
10/13/2016	<0.0025	
12/5/2016	<0.0025	
2/13/2017	<0.0025	
4/10/2017	<0.0025	
6/23/2017	<0.0025	
10/11/2017	<0.0025	
3/26/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00012 (J)	
3/19/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		0.0002 (J)



# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.0051 (J)	
2/14/2011	0.0038 (J)	
3/21/2011	0.0037 (J)	
4/27/2011	<0.01	
10/26/2011	0.0046 (J)	
5/1/2012	0.0043 (J)	
11/9/2012	0.007 (J)	
5/8/2013	0.0047 (J)	
11/4/2013	0.0096 (J)	
5/24/2014	0.0097 (J)	
11/7/2014	0.012	
5/20/2015	0.011	
11/13/2015	0.013	
4/8/2016	<0.01	
6/16/2016	0.0062 (J)	
8/11/2016	0.0092	
10/13/2016	0.0045	
12/6/2016	0.0043	
2/13/2017	0.011	
4/11/2017	0.012	
6/24/2017	0.011	
10/11/2017	0.016	
3/26/2018	0.0069	
10/4/2018	0.016	
3/28/2019	0.011	
9/12/2019	0.011	
3/19/2020	0.0083	
9/11/2020	0.002 (J)	
4/6/2021		0.0062

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.002	
2/14/2011	<0.002	
3/22/2011	<0.002	
4/26/2011	<0.002	
10/27/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	<0.002	
5/7/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/8/2014	<0.002	
5/21/2015	0.0028 (O)	
11/13/2015	<0.002	
4/6/2016	<0.002	
10/11/2016	<0.002	
4/10/2017	<0.002	
10/9/2017	<0.002	
3/26/2018	<0.002	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	0.0023	
4/2/2021		<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.002	
2/14/2011	<0.002	
3/22/2011	<0.002	
4/26/2011	<0.002	
10/27/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	<0.002	
5/7/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/8/2014	<0.002	
5/21/2015	0.003 (J)	
11/13/2015	0.078 (O)	
4/8/2016	<0.002	
10/11/2016	<0.002	
4/7/2017	<0.002	
10/9/2017	<0.002	
3/26/2018	<0.002 (D)	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/2/2021		<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.0021 (J)	
2/14/2011	<0.002	
3/21/2011	<0.002	
4/26/2011	<0.002	
10/26/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	0.0034 (J)	
5/8/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/7/2014	0.002 (J)	
5/20/2015	0.0024 (J)	
11/13/2015	<0.002	
4/7/2016	<0.002	
10/10/2016	<0.002	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/22/2018	<0.002 (D)	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	0.00072 (J)	
9/11/2020	0.002	
4/2/2021		<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0065 (J)	
2/1/2011	0.018	
3/23/2011	0.022	
4/27/2011	0.02	
10/26/2011	0.0025 (J)	
5/1/2012	0.0022 (J)	
11/8/2012	0.015	
5/7/2013	0.02	
11/5/2013	0.014	
5/23/2014	0.06 (O)	
11/7/2014	0.0032 (J)	
5/21/2015	0.017 (JV)	
11/12/2015	0.01 (J)	
4/8/2016	<0.002	
10/11/2016	0.0051	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/22/2018	<0.002	
10/5/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/20/2020	0.0011 (J)	
9/11/2020	<0.002	
4/5/2021		0.0019 (J)

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0084 (J)	
2/14/2011	0.013 (O)	
3/23/2011	0.0061 (J)	
4/27/2011	<0.002	
10/25/2011	<0.002	
5/1/2012	0.0027 (J)	
11/8/2012	<0.002	
5/7/2013	0.0039 (J)	
11/5/2013	<0.002	
5/23/2014	0.0029 (J)	
11/7/2014	<0.002	
5/21/2015	0.0031 (J)	
11/12/2015	<0.002	
4/7/2016	<0.002	
10/14/2016	0.0024 (J)	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/23/2018	<0.002	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	0.00083 (J)	
3/19/2020	0.0022	
9/11/2020	<0.002	
4/5/2021		0.00093 (J)

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.002	
2/15/2011	<0.002	
3/22/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/7/2014	<0.002	
5/22/2015	<0.002	
11/13/2015	<0.002	
4/11/2016	<0.002	
10/13/2016	<0.002	
4/10/2017	<0.002	
10/11/2017	<0.002	
3/26/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/11/2020	0.0013 (J)	
4/5/2021		<0.002

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.001	
2/14/2011	0.0028 (J)	
3/22/2011	0.0021 (J)	
4/26/2011	0.003 (J)	
10/27/2011	0.0028 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0044 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/21/2015	0.0032 (J)	
11/13/2015	<0.001	
4/6/2016	<0.001	
6/14/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/10/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.0022	
4/2/2021		<0.001



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	0.0025 (J)	
10/27/2011	0.0033 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0048 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	0.0021 (J)	
5/21/2015	0.002 (J)	
11/13/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/26/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00018 (J)

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.001	
2/14/2011	0.0024 (J)	
3/21/2011	<0.001	
4/26/2011	0.0027 (J)	
10/26/2011	0.0026 (J)	
5/1/2012	<0.001	
11/8/2012	0.0023 (J)	
5/8/2013	0.0026 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.005 (J)	
11/13/2015	0.0031 (J)	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00019 (J)	
9/11/2020	0.0016	
4/2/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.001	
2/1/2011	0.0027 (J)	
3/23/2011	0.0041 (J)	
4/27/2011	0.0054	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	0.0022 (J)	
5/7/2013	0.0062	
11/5/2013	<0.001	
5/23/2014	0.0026 (J)	
11/7/2014	0.0022 (J)	
5/21/2015	0.0049 (J)	
11/12/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	0.00096 (J)	
10/5/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/20/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	0.0029 (J)	
3/23/2011	0.0028 (J)	
4/27/2011	0.0038 (J)	
10/25/2011	0.0043 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0064	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	0.0026 (J)	
5/21/2015	0.0038 (J)	
11/12/2015	0.0021 (J)	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.0002 (J)	
9/11/2020	<0.001	
4/5/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.001	
2/15/2011	0.0032 (J)	
3/22/2011	0.0024 (J)	
4/27/2011	0.0033 (J)	
10/26/2011	0.0023 (J)	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.0035 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	0.0035 (J)	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
10/13/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/11/2017	0.00041 (J)	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	0.0015	
4/5/2021		<0.001

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0002	
2/14/2011	<0.0002	
3/22/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/21/2015	<0.0002	
11/13/2015	<0.0002	
4/6/2016	<0.0002	
6/14/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/10/2017	<0.0002	
4/10/2017	<0.0002	
6/23/2017	<0.0002	
10/9/2017	8.7E-05 (J)	
3/26/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.0002	
2/14/2011	<0.0002	
3/22/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/21/2015	<0.0002	
11/13/2015	<0.0002	
4/8/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/26/2017	<0.0002	
10/9/2017	8.7E-05 (J)	
3/26/2018	<0.0002 (D)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0002	
2/14/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/26/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/20/2015	<0.0002	
11/13/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/10/2016	<0.0002	
12/2/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.9E-05 (J)	
3/22/2018	<0.0002 (D)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/2/2021		<0.0002



# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0002	
2/1/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	0.00011 (J)	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/20/2015	<0.0002	
11/13/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/10/2016	<0.0002	
12/2/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/23/2017	<0.0002	
10/10/2017	8.8E-05 (J)	
3/23/2018	<0.0002	
10/4/2018	<0.0002	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.0002	
2/1/2011	<0.0002	
3/23/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	8.1E-05 (J)	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/8/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	9.2E-05 (J)	
3/22/2018	<0.0002	
10/5/2018	<0.0002	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/20/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.0002	
2/14/2011	<0.0002	
3/23/2011	<0.0002	
4/27/2011	<0.0002	
10/25/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	8.4E-05 (J)	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/7/2016	<0.0002	
6/17/2016	<0.0002	
8/10/2016	<0.0002	
10/14/2016	<0.0002	
12/19/2016	<0.0002	
2/13/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	9.2E-05 (J)	
3/23/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.0002	
2/14/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.8E-05 (J)	
3/22/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.0002	
2/15/2011	<0.0002	
3/22/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/13/2017	<0.0002	
4/10/2017	<0.0002	
6/23/2017	<0.0002	
10/10/2017	9.1E-05 (J)	
3/26/2018	<0.0002	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0002	
2/15/2011	<0.0002	
3/22/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/13/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.9E-05 (J)	
3/23/2018	<0.0002 (X)	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.0002	
2/15/2011	<0.0002	
3/21/2011	<0.0002	
4/28/2011	<0.0002	
10/26/2011	8.2E-05	
5/1/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/13/2016	<0.0002	
12/5/2016	<0.0002	
2/13/2017	<0.0002	
4/11/2017	<0.0002	
6/24/2017	<0.0002	
10/11/2017	<0.0002	
3/26/2018	<0.0002	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0018	
2/14/2011	<0.0018	
3/22/2011	<0.0018	
4/26/2011	<0.0018	
10/27/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/7/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/21/2015	<0.0018	
11/13/2015	<0.0018	
4/6/2016	<0.0018	
10/11/2016	<0.0018	
4/10/2017	<0.0018	
10/9/2017	0.0024 (O)	
3/26/2018	<0.0018	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/12/2019	0.00097 (J)	
3/19/2020	0.00037 (J)	
9/10/2020	0.00095 (J)	
4/2/2021		0.00046 (J)



# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.003 (O)	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/8/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00049 (J)

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0018	
2/14/2011	<0.0018	
3/21/2011	<0.0018	
4/26/2011	<0.0018	
10/26/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/7/2014	<0.0018	
5/20/2015	<0.0018	
11/13/2015	<0.0018	
4/7/2016	<0.0018	
10/10/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/22/2018	<0.0018 (D)	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/12/2019	0.00061 (J)	
3/19/2020	0.00074 (J)	
9/11/2020	0.001	
4/2/2021		0.00077 (J)

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.001	
2/1/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	0.0035 (O)	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
10/10/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	0.0004 (J)	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.001	
2/1/2011	0.0072	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	0.0066	
5/7/2013	0.022	
11/5/2013	0.0093	
5/23/2014	0.0045 (J)	
11/7/2014	0.0049 (J)	
5/21/2015	0.012	
11/12/2015	0.019	
4/8/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/5/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/20/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0052	
2/14/2011	0.016	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	0.0035 (J)	
11/8/2012	0.0046 (J)	
5/7/2013	0.0087	
11/5/2013	0.0036 (J)	
5/23/2014	<0.001	
11/7/2014	0.0064	
5/21/2015	0.0045 (J)	
11/12/2015	0.0036 (J)	
4/7/2016	<0.001	
10/14/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.0004 (J)	
9/11/2020	<0.001	
4/5/2021		0.00034 (J)

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	0.00043 (J)	
3/19/2020	<0.001	
9/10/2020	0.00062 (J)	
4/6/2021		<0.001

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.0047	
2/15/2011	<0.0047	
3/22/2011	<0.0047	
4/27/2011	<0.0047	
10/26/2011	<0.0047	
5/2/2012	<0.0047	
11/8/2012	<0.0047	
5/8/2013	<0.0047	
11/4/2013	<0.0047	
5/24/2014	<0.0047	
11/7/2014	<0.0047	
5/22/2015	0.0032 (J)	
11/13/2015	<0.0047	
4/11/2016	0.00388 (J)	
10/11/2016	<0.0047	
4/10/2017	0.0042	
10/10/2017	0.0037	
3/26/2018	0.0037	
10/4/2018	0.0037	
3/28/2019	0.0038	
9/12/2019	0.0035	
3/19/2020	0.0039	
9/10/2020	0.0035	
4/6/2021		0.0042

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0018	
2/15/2011	<0.0018	
3/22/2011	<0.0018	
4/27/2011	<0.0018	
10/26/2011	<0.0018	
5/2/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/22/2015	<0.0018	
11/13/2015	<0.0018	
4/11/2016	<0.0018	
10/11/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/23/2018	<0.0018	
10/4/2018	<0.0018	
3/28/2019	<0.0018	
9/12/2019	0.0012	
3/19/2020	0.0015	
9/10/2020	0.0017	
4/6/2021		0.0019



# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
10/13/2016	<0.0025	
4/10/2017	<0.0025	
10/11/2017	0.0018 (J)	
3/26/2018	0.0021 (J)	
10/4/2018	0.0024 (J)	
3/27/2019	0.0024 (J)	
9/12/2019	0.0019	
3/19/2020	0.0021	
9/11/2020	0.002	
4/5/2021		0.002

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.006	
2/14/2011	0.0067	
3/21/2011	0.0066	
4/27/2011	0.0077	
10/26/2011	0.0063	
5/1/2012	0.0068	
11/9/2012	0.0067	
5/8/2013	0.0066	
11/4/2013	0.0072	
5/24/2014	0.0053	
11/7/2014	0.0052	
5/20/2015	0.0067	
11/13/2015	0.0063	
4/8/2016	<0.0073	
10/13/2016	<0.0073	
4/11/2017	0.0075	
10/11/2017	0.0072	
3/26/2018	0.0075	
10/4/2018	0.0073	
3/28/2019	0.0069	
9/12/2019	0.007	
3/19/2020	0.007	
9/11/2020	0.0074	
4/6/2021		0.0072

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	0.0048	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	0.0041	
11/13/2015	<0.005	
4/8/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/10/2017	0.0032	
4/7/2017	<0.005	
6/26/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	0.0048	
11/4/2013	<0.005	
5/24/2014	0.0042	
11/7/2014	<0.005	
5/20/2015	0.0093 (O)	
11/13/2015	0.0061 (O)	
4/7/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/10/2016	<0.005	
12/2/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/10/2017	0.00033 (J)	
3/22/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/2/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.005	
2/1/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/5/2013	0.0064 (O)	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/8/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/10/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	0.0021	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/5/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/20/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.005	
2/14/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/25/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	0.0046	
11/5/2013	0.0047	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	0.0077 (O)	
11/12/2015	<0.005	
4/7/2016	<0.005	
6/17/2016	<0.005	
8/10/2016	<0.005	
10/14/2016	<0.005	
12/19/2016	<0.005	
2/13/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	0.0041	
11/12/2015	<0.005	
4/7/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/2/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	0.00092 (J)	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	0.0044	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/13/2017	<0.005	
4/10/2017	<0.005	
6/23/2017	<0.005	
10/10/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	0.00032 (J)	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	0.0042	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/11/2016	<0.005	
12/2/2016	<0.005	
2/13/2017	<0.005	
4/7/2017	0.0021	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.005	
2/15/2011	<0.005	
3/21/2011	<0.005	
4/28/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	0.0049	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	0.0067 (O)	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	0.00036 (J)	
10/13/2016	0.00035 (J)	
12/5/2016	<0.005	
2/13/2017	<0.005	
4/11/2017	0.0027	
6/24/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	0.0004 (J)	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/20/2015	<0.005	
11/13/2015	<0.005	
4/8/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/13/2016	0.00046 (J)	
12/6/2016	<0.005	
2/13/2017	0.0025	
4/11/2017	0.00089 (J)	
6/24/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	0.00025 (J)	
5/24/2014	<0.001	
11/8/2014	0.00048	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/6/2016	<0.001	
6/14/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/10/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00016 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	0.00086	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/26/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00036 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.00026 (J)	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	0.00032	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00036 (J)	
9/11/2020	<0.001	
4/2/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	<0.001	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00018 (J)	
9/11/2020	<0.001	
4/5/2021		0.00043 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.00028	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001



# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
10/13/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		0.00022 (J)

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0028 (J)	
4/26/2011	0.0025 (J)	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/6/2016	0.00201 (J)	
10/11/2016	<0.0025	
4/10/2017	0.002 (J)	
10/9/2017	<0.0025	
3/26/2018	0.0014 (J)	
10/3/2018	0.0023 (J)	
3/27/2019	0.0072 (O)	
9/12/2019	0.0031	
3/19/2020	0.003	
9/10/2020	0.0027	
4/2/2021		0.0029

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0032 (J)	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	0.0037 (J)	
11/8/2012	<0.0025	
5/7/2013	0.0041 (J)	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	0.0052 (J)	
11/13/2015	<0.0025	
4/8/2016	<0.0025 (D)	
10/11/2016	<0.0025	
4/7/2017	0.0033	
10/9/2017	<0.0025	
3/26/2018	0.0029	
10/3/2018	0.0022 (J)	
3/27/2019	0.0071 (O)	
9/12/2019	0.0025	
3/19/2020	0.0052	
9/10/2020	0.0025	
4/2/2021		0.0045

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0014	
2/14/2011	<0.0014	
3/21/2011	<0.0014	
4/26/2011	0.0022 (J)	
10/26/2011	<0.0014	
5/1/2012	0.0036 (J)	
11/8/2012	0.0062 (O)	
5/8/2013	<0.0014	
11/4/2013	<0.0014	
5/24/2014	<0.0014	
11/7/2014	<0.0014	
5/20/2015	<0.0014	
11/13/2015	<0.0014	
4/7/2016	<0.0014	
10/10/2016	<0.0014	
4/7/2017	<0.0014	
10/10/2017	0.0014 (J)	
3/22/2018	<0.0014 (D)	
10/3/2018	<0.0014	
3/27/2019	0.0023 (J)	
9/12/2019	0.0017	
3/19/2020	0.0031	
9/11/2020	0.0015	
4/2/2021		0.0014

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.0024 (J)	
2/1/2011	0.0021 (J)	
3/21/2011	0.0025 (J)	
4/26/2011	0.0033 (J)	
10/27/2011	<0.0034	
5/2/2012	0.0051 (J)	
11/8/2012	0.02 (O)	
5/7/2013	0.0036 (J)	
11/4/2013	0.0043 (J)	
5/24/2014	0.0033 (J)	
11/7/2014	<0.0034	
5/20/2015	0.0062 (J)	
11/13/2015	0.0046 (J)	
4/7/2016	0.00293 (J)	
10/10/2016	0.0031	
4/7/2017	0.0041	
10/10/2017	<0.0034	
3/23/2018	0.0032	
10/4/2018	<0.0034 (X)	
3/27/2019	0.0072	
9/12/2019	0.0033	
3/19/2020	0.0033	
9/11/2020	0.0026	
4/5/2021		0.003

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0051 (J)	
2/1/2011	0.012	
3/23/2011	0.015	
4/27/2011	0.022	
10/26/2011	0.0043 (J)	
5/1/2012	0.0069 (J)	
11/8/2012	0.013	
5/7/2013	0.017	
11/5/2013	0.013	
5/23/2014	0.041	
11/7/2014	0.0069 (J)	
5/21/2015	0.016	
11/12/2015	0.013	
4/8/2016	<0.0053 (D)	
10/11/2016	0.011	
4/7/2017	0.0073	
10/10/2017	0.0032	
3/22/2018	0.0068	
10/5/2018	<0.0053 (X)	
3/27/2019	0.012	
9/12/2019	0.0075	
3/20/2020	0.0086	
9/11/2020	0.007	
4/5/2021		0.0085

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0091 (J)	
2/14/2011	0.013	
3/23/2011	<0.01	
4/27/2011	0.0078 (J)	
10/25/2011	0.012 (O)	
5/1/2012	0.019	
11/8/2012	0.015	
5/7/2013	0.017	
11/5/2013	0.015	
5/23/2014	0.017	
11/7/2014	0.013	
5/21/2015	0.016	
11/12/2015	0.018	
4/7/2016	0.016	
10/14/2016	0.018	
4/7/2017	0.017	
10/10/2017	0.015	
3/23/2018	0.016	
10/3/2018	0.017	
3/27/2019	0.022	
9/12/2019	0.019	
3/19/2020	0.019	
9/11/2020	0.017	
4/5/2021		0.019

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	0.016	
2/14/2011	0.016	
3/21/2011	0.018	
4/26/2011	0.018	
10/26/2011	0.018	
5/2/2012	0.021	
11/8/2012	0.019	
5/8/2013	0.02	
11/5/2013	0.018	
5/23/2014	0.018	
11/7/2014	0.018	
5/21/2015	0.02	
11/12/2015	0.016	
4/7/2016	0.0182	
10/11/2016	0.023	
4/7/2017	0.02	
10/10/2017	0.016	
3/22/2018	0.018	
10/3/2018	0.018	
3/27/2019	0.021	
9/12/2019	0.02	
3/19/2020	0.02	
9/10/2020	0.018	
4/6/2021		0.021



# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.0037 (J)	
2/15/2011	0.0043 (J)	
3/22/2011	0.0039 (J)	
4/27/2011	0.0035 (J)	
10/26/2011	0.0047 (J)	
5/2/2012	0.0064 (J)	
11/8/2012	0.0051 (J)	
5/8/2013	0.0046 (J)	
11/4/2013	0.0039 (J)	
5/24/2014	0.0053 (J)	
11/7/2014	0.0034 (J)	
5/22/2015	0.0068 (J)	
11/13/2015	0.0044 (J)	
4/11/2016	0.00381 (J)	
10/11/2016	<0.0053	
4/10/2017	0.0038	
10/10/2017	0.0053	
3/26/2018	0.0037	
10/4/2018	<0.0053 (X)	
3/28/2019	0.0079	
9/12/2019	0.0054	
3/19/2020	0.0044	
9/10/2020	0.0049	
4/6/2021		0.0045

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0037	
2/15/2011	<0.0037	
3/22/2011	0.0034 (J)	
4/27/2011	0.0032 (J)	
10/26/2011	<0.0037	
5/2/2012	0.0039 (J)	
11/8/2012	0.0034 (J)	
5/8/2013	<0.0037	
11/4/2013	0.0035 (J)	
5/24/2014	0.0036 (J)	
11/8/2014	<0.0037	
5/22/2015	0.0044 (J)	
11/13/2015	<0.0037	
4/11/2016	0.00254 (J)	
10/11/2016	<0.0037	
4/7/2017	0.0024 (J)	
10/10/2017	<0.0037	
3/23/2018	0.0023 (J)	
10/4/2018	<0.0037 (X)	
3/28/2019	0.0053	
9/12/2019	0.0028	
3/19/2020	0.0027	
9/10/2020	0.0026	
4/6/2021		0.0026

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	0.0027 (J)	
2/15/2011	0.0036 (J)	
3/22/2011	<0.0066	
4/27/2011	0.0046 (J)	
10/26/2011	<0.0066	
5/2/2012	0.0055 (J)	
11/8/2012	0.0042 (J)	
5/8/2013	0.0046 (J)	
11/4/2013	0.0042 (J)	
5/24/2014	0.0061 (J)	
11/7/2014	0.0032 (J)	
5/22/2015	0.0056 (J)	
11/13/2015	<0.0066	
4/11/2016	0.00415 (J)	
10/13/2016	<0.0066	
4/10/2017	0.0043	
10/11/2017	0.0052	
3/26/2018	0.004	
10/4/2018	<0.0066 (X)	
3/27/2019	0.0087	
9/12/2019	0.0047	
3/19/2020	0.0046	
9/11/2020	0.0042	
4/5/2021		0.0059

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.01	
2/15/2011	0.0098 (J)	
3/21/2011	0.012	
4/28/2011	0.011	
10/26/2011	0.012	
5/1/2012	0.011	
11/9/2012	0.011	
5/8/2013	<0.01	
11/4/2013	0.011	
5/24/2014	0.012	
11/7/2014	0.01	
5/22/2015	0.013	
11/13/2015	0.014	
4/11/2016	0.0107	
10/13/2016	0.011	
4/11/2017	0.011	
10/11/2017	0.012	
3/26/2018	0.0096	
10/4/2018	0.013	
3/28/2019	0.01	
9/12/2019	0.011	
3/19/2020	0.01	
9/11/2020	0.0099	
4/5/2021		0.011

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	0.0032 (J)	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.0065	
11/13/2015	<0.001	
4/8/2016	0.0136 (O)	
10/13/2016	<0.001	
4/11/2017	<0.001	
10/11/2017	0.0019 (J)	
3/26/2018	<0.001	
10/4/2018	<0.001 (X)	
3/28/2019	0.0041	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/6/2021		<0.001

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	<0.005	
4/6/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0046 (J)	
3/19/2020	<0.005	
9/10/2020	0.0048 (J)	
4/2/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	0.039 (O)	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0085	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0065	
2/14/2011	<0.0065	
3/21/2011	<0.0065	
4/26/2011	<0.0065	
10/26/2011	<0.0065	
5/1/2012	<0.0065	
11/8/2012	<0.0065	
5/8/2013	<0.0065	
11/4/2013	<0.0065	
5/24/2014	<0.0065	
11/7/2014	<0.0065	
5/20/2015	<0.0065	
11/13/2015	<0.0065	
4/7/2016	0.00345 (J)	
10/10/2016	<0.0065	
4/7/2017	<0.0065	
10/10/2017	<0.0065	
3/22/2018	<0.0065 (D)	
10/3/2018	<0.0065	
3/27/2019	<0.0065	
9/12/2019	0.0095	
3/19/2020	0.0037 (J)	
9/11/2020	0.0098	
4/2/2021		0.0058



# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0065	
2/1/2011	<0.0065	
3/21/2011	<0.0065	
4/26/2011	<0.0065	
10/27/2011	<0.0065	
5/2/2012	<0.0065	
11/8/2012	0.013 (O)	
5/7/2013	<0.0065	
11/4/2013	<0.0065	
5/24/2014	<0.0065	
11/7/2014	<0.0065	
5/20/2015	<0.0065	
11/13/2015	<0.0065	
4/7/2016	0.00265 (J)	
10/10/2016	<0.0065	
4/7/2017	<0.0065	
10/10/2017	0.0096 (J)	
3/23/2018	<0.0065	
10/4/2018	<0.0065	
3/27/2019	<0.0065	
9/12/2019	0.0091	
3/19/2020	0.0035 (J)	
9/11/2020	0.0038 (J)	
4/5/2021		0.0049 (J)

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.005	
2/1/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	0.0087	
11/5/2013	<0.005	
5/23/2014	0.014 (O)	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/5/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0049 (J)	
3/20/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.005	
2/14/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/25/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/7/2016	0.00287 (J)	
10/14/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0048 (J)	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/7/2016	0.00208 (J)	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0041 (J)	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/10/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	0.0058	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/4/2018	0.0076	
3/28/2019	<0.005	
9/12/2019	0.0057	
3/19/2020	0.0037 (J)	
9/10/2020	<0.005	
4/6/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	0.00333 (J)	
10/13/2016	<0.005	
4/10/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0042 (J)	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.005	
2/15/2011	<0.005	
3/21/2011	<0.005	
4/28/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/13/2016	<0.005	
4/11/2017	0.0065 (J)	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	0.0073	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005



# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.0095 (J)	
2/14/2011	0.0092 (J)	
3/21/2011	0.011 (J)	
4/27/2011	0.0096 (J)	
10/26/2011	0.011 (J)	
5/1/2012	0.012 (J)	
11/9/2012	0.014 (J)	
5/8/2013	0.016 (J)	
11/4/2013	0.014 (J)	
5/24/2014	0.013 (J)	
11/7/2014	0.014 (J)	
5/20/2015	0.015 (J)	
11/13/2015	0.015 (J)	
10/13/2016	0.015 (J)	
4/11/2017	0.015 (J)	
10/11/2017	0.019 (J)	
3/26/2018	0.016 (J)	
10/4/2018	0.017 (J)	
3/28/2019	0.013 (J)	
9/12/2019	0.02	
3/19/2020	0.014	
9/11/2020	0.014	
4/6/2021		0.014

FIGURE G.

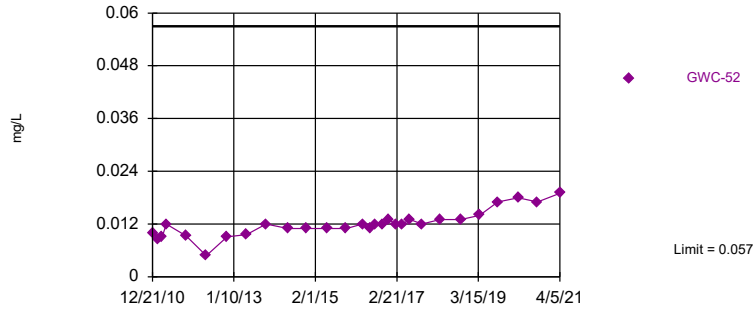
# Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 1:31 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWC-52	0.057	n/a	4/5/2021	0.019	No	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	4/5/2021	0.031	No	201	n/a	n/a	19.4	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.022	n/a	4/6/2021	0.0019	No	165	n/a	n/a	81.21	n/a	n/a	0.00007258	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric

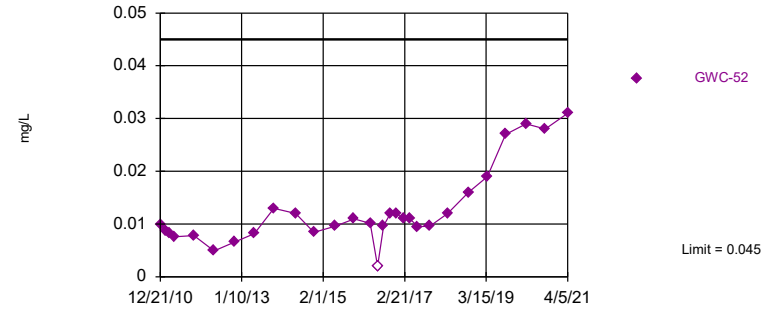


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 194 background values. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Assumes 4 future values.

Constituent: Barium, Total Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Interwell Non-parametric



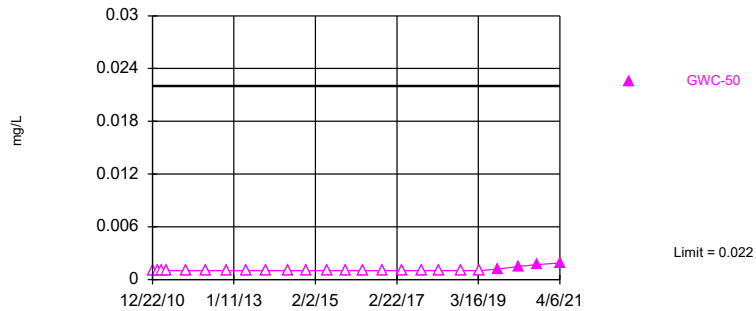
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 201 background values. 19.4% NDs. Annual per-constituent alpha = 0.0004919. Individual comparison alpha = 0.0000492 (1 of 2). Assumes 4 future values.

Constituent: Chromium, Total Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 165 background values. 81.21% NDs. Annual per-constituent alpha = 0.0007255. Individual comparison alpha = 0.00007258 (1 of 2). Assumes 4 future values.

Constituent: Nickel, Total Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-21 (bg)	GWA-22 (bg)	GWA-48 (bg)
12/20/2010	0.029 (J)	0.019 (J)	0.024 (J)					
12/21/2010				0.01 (J)	0.021 (J)			0.055 (O)
12/22/2010						0.026 (J)	0.028 (J)	
2/1/2011	0.038 (J)	0.017 (J)						
2/14/2011			0.023 (J)		0.021 (J)	0.022 (J)	0.025 (J)	0.05 (O)
2/15/2011				0.0086 (J)				
3/21/2011		0.019 (J)	0.021 (J)	0.009 (J)	0.021 (J)			
3/22/2011						0.02 (J)	0.029 (J)	
3/23/2011	0.045 (J)							0.031 (J)
4/26/2011		0.02 (J)	0.019 (J)		0.021 (J)	0.019 (J)	0.031 (J)	
4/27/2011	0.043 (J)							0.015 (J)
4/28/2011				0.012 (J)				
10/25/2011								0.02
10/26/2011	0.023		0.023	0.0093 (J)	0.019			
10/27/2011		0.018				0.021	0.027	
5/1/2012	0.021		0.014	0.0048 (J)		0.017	0.022	0.017
5/2/2012		0.017			0.018			
11/8/2012	0.038	0.048 (O)	0.034		0.018	0.023	0.024	0.012
11/9/2012				0.0091 (J)				
5/7/2013	0.042	0.02				0.021	0.027	0.022
5/8/2013			0.016	0.0096 (J)	0.017			
11/4/2013		0.019	0.014	0.012		0.018	0.024	
11/5/2013	0.039				0.019			0.012
5/23/2014	0.088 (O)				0.021			0.02
5/24/2014		0.019	0.027	0.011		0.022	0.025	
11/7/2014	0.027	0.019	0.03	0.011	0.019			0.012
11/8/2014						0.02	0.023	
5/20/2015		0.018	0.029					
5/21/2015	0.036				0.02	0.022	0.023	0.011
5/22/2015				0.011				
11/12/2015	0.038				0.019			0.012
11/13/2015		0.02	0.041	0.011		0.025	0.023	
4/6/2016						0.0239		
4/7/2016		0.0207	0.0381		0.0201			0.0116
4/8/2016	0.0261						0.0244	
4/11/2016				0.012				
6/14/2016	0.023	0.019	0.034		0.017	0.021	0.023	
6/16/2016				0.011				
6/17/2016								0.012
8/9/2016	0.026	0.017	0.032		0.017		0.026	
8/10/2016						0.019		0.012
8/11/2016				0.012				
10/10/2016		0.02	0.037					
10/11/2016	0.03				0.02	0.02	0.022	
10/13/2016				0.012				
10/14/2016								0.016
12/2/2016		0.02	0.038		0.02	0.022		
12/5/2016	0.026			0.013			0.025	
12/19/2016								0.012
2/9/2017			0.048		0.018			
2/10/2017	0.023	0.018				0.03	0.026	
2/13/2017				0.012				0.017

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-21 (bg)	GWA-22 (bg)	GWA-48 (bg)
4/7/2017	0.024	0.02	0.045		0.018		0.021	0.011
4/10/2017						0.025		
4/11/2017				0.012				
6/22/2017	0.025		0.049		0.02			0.014
6/23/2017		0.021				0.026		
6/24/2017				0.013				
6/26/2017							0.028	
10/9/2017						0.025	0.021	
10/10/2017	0.022	0.018	0.044		0.02			0.012
10/11/2017				0.012				
3/22/2018	0.024		0.0495 (D)		0.018			
3/23/2018		0.02						0.012
3/26/2018				0.013		0.026	0.022 (D)	
10/3/2018			0.042		0.018	0.00049 (O)	0.022	0.012
10/4/2018		0.019		0.013				
10/5/2018	0.026							
3/27/2019	0.026	0.021	0.057		0.019	0.024	0.022	0.013
3/28/2019				0.014				
9/12/2019	0.028	0.022	0.1 (L)	0.017	0.022	0.025	0.023	0.016
12/2/2019			0.11 (R,L)					
3/19/2020		0.023	0.11 (L)	0.018	0.02	0.027	0.024	0.02
3/20/2020	0.029							
9/10/2020					0.02	0.023	0.022	
9/11/2020	0.026	0.022	0.15 (L)	0.017				0.013
4/2/2021			0.11 (L)			0.02	0.023	
4/5/2021	0.028	0.022		0.019				0.015
4/6/2021					0.02			

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-48 (bg)	GWA-22 (bg)	GWA-21 (bg)
12/20/2010	0.0064	0.0036 (J)	<0.002					
12/21/2010				0.01	0.0073	0.0094		
12/22/2010							0.0029 (J)	0.0052
2/1/2011	0.015	0.0037 (J)						
2/14/2011			<0.002		0.0051	0.028	0.0027 (J)	0.0057
2/15/2011				0.0087				
3/21/2011		0.004 (J)	<0.002	0.0083	0.0067			
3/22/2011							0.0049 (J)	0.0055
3/23/2011	0.0084					0.0042 (J)		
4/26/2011		0.0037 (J)	<0.002		0.0065		0.0048 (J)	0.0069
4/27/2011	0.011					<0.002		
4/28/2011				0.0076				
10/25/2011						0.0062		
10/26/2011	0.0061		<0.002	0.0078	0.0068			
10/27/2011		0.0047 (J)					0.0023 (J)	0.011
5/1/2012	0.0072		<0.002	0.0049 (J)		0.011	0.0051	0.0056
5/2/2012		0.005 (J)			0.011			
11/8/2012	0.015	0.0081	<0.002		0.0052	0.0089	0.0034 (J)	<0.002
11/9/2012				0.0066				
5/7/2013	0.044	0.0035 (J)				0.019	0.0078	0.0036 (J)
5/8/2013			<0.002	0.0082	0.0059			
11/4/2013		0.0056 (J)	<0.002	0.013			0.0055 (J)	0.0032 (J)
11/5/2013	0.023				0.0044 (J)	0.0057 (J)		
5/23/2014	0.022				0.0087 (J)	0.0084 (J)		
5/24/2014		0.005 (J)	<0.002	0.012			0.0075 (J)	0.0043 (J)
11/7/2014	0.013	0.004 (J)	<0.002	0.0084 (J)	0.0048 (J)	0.011		
11/8/2014							0.0048 (J)	<0.002
5/20/2015		0.0062 (J)	0.0025 (O)					
5/21/2015	0.029				0.006 (J)	0.013	0.0082 (J)	0.002 (J)
5/22/2015				0.0096 (J)				
11/12/2015	0.045				0.007 (J)	0.015		
11/13/2015		0.0067 (J)	0.0042 (O)	0.011			0.0079 (J)	<0.002
4/6/2016								0.00278 (J)
4/7/2016		0.00467 (J)	<0.002		0.0056 (J)	0.00498 (J)		
4/8/2016	<0.002						<0.002	
4/11/2016				0.0101				
6/14/2016	<0.002	<0.002	<0.002		<0.002		<0.002	<0.002
6/16/2016				<0.002				
6/17/2016						<0.002		
8/9/2016	0.008	0.0041	<0.002		0.0053		0.0079	
8/10/2016						0.0047		0.0019 (J)
8/11/2016				0.0097				
10/10/2016		0.0041	<0.002					
10/11/2016	0.0079				0.0058		0.0069	0.0024 (J)
10/13/2016				0.012				
10/14/2016						0.0056		
12/2/2016		0.0039	<0.002		0.0071			0.0023 (J)
12/5/2016	0.0057			0.012			0.0077	
12/19/2016						0.0039		
2/9/2017			<0.002		0.0051			
2/10/2017	0.0062	0.0044					0.0098	0.0021 (J)
2/13/2017				0.011		0.0059		

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-48 (bg)	GWA-22 (bg)	GWA-21 (bg)
4/7/2017	0.0072	0.0046	<0.002		0.006	0.0051	0.0081	
4/10/2017								0.002 (J)
4/11/2017				0.011				
6/22/2017	0.0074		<0.002		0.0056	0.005		
6/23/2017		0.005						0.0018 (J)
6/24/2017				0.0095				
6/26/2017							0.0084	
10/9/2017							0.0082	0.0016 (J)
10/10/2017	0.0072	0.0088	<0.002		0.0073	0.005		
10/11/2017				0.0096				
3/22/2018	0.0074		<0.002 (D)		0.0051			
3/23/2018		0.0045				0.005		
3/26/2018				0.012			0.0088	0.0011 (J)
10/3/2018			<0.002		0.0052	0.0051	0.0086	0.0014 (J)
10/4/2018		0.0047		0.016				
10/5/2018	0.0083							
3/27/2019	0.0081	0.0048	<0.002		0.0056	0.0051	0.0078	0.003
3/28/2019				0.019				
9/12/2019	0.0088	0.0051	<0.002	0.027	0.0075	0.0085	0.0092	0.0047
3/19/2020		0.0043	<0.002	0.029	0.0055	0.0063	0.011	0.0026
3/20/2020	0.0085							
9/10/2020					0.0063		0.0077	0.0019 (J)
9/11/2020	0.0081	0.0042	<0.002	0.028		0.0053		
4/2/2021			<0.002				0.01	0.0029
4/5/2021	0.0084	0.0041		0.031		0.0061		
4/6/2021					0.0055			



# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-21 (bg)	GWC-50	GWA-22 (bg)
12/20/2010	<0.001	<0.001	<0.001					
12/21/2010				<0.001	0.0052			
12/22/2010						<0.001	<0.001	0.003 (O)
2/1/2011	0.0072	<0.001						
2/14/2011			<0.001	<0.001	0.016	<0.001		<0.001
2/15/2011							<0.001	
3/21/2011		<0.001	<0.001	<0.001				
3/22/2011						<0.001	<0.001	<0.001
3/23/2011	<0.001				<0.001			
4/26/2011		<0.001	<0.001	<0.001		<0.001		<0.001
4/27/2011	<0.001				<0.001		<0.001	
10/25/2011					<0.001			
10/26/2011	<0.001		<0.001	<0.001			<0.001	
10/27/2011		<0.001				<0.001		<0.001
5/1/2012	<0.001		<0.001		0.0035 (J)	<0.001		<0.001
5/2/2012		<0.001		<0.001			<0.001	
11/8/2012	0.0066	0.0035 (O)	<0.001	<0.001	0.0046 (J)	<0.001	<0.001	<0.001
5/7/2013	0.022	<0.001			0.0087	<0.001		<0.001
5/8/2013			<0.001	<0.001			<0.001	
11/4/2013		<0.001	<0.001			<0.001	<0.001	<0.001
11/5/2013	0.0093			<0.001	0.0036 (J)			
5/23/2014	0.0045 (J)			<0.001	<0.001			
5/24/2014		<0.001	<0.001			<0.001	<0.001	<0.001
11/7/2014	0.0049 (J)	<0.001	<0.001	<0.001	0.0064			
11/8/2014						<0.001	<0.001	<0.001
5/20/2015		<0.001	<0.001					
5/21/2015	0.012			<0.001	0.0045 (J)	<0.001		<0.001
5/22/2015							<0.001	
11/12/2015	0.019			<0.001	0.0036 (J)			
11/13/2015		<0.001	<0.001			<0.001	<0.001	<0.001
4/6/2016						<0.001		
4/7/2016		<0.001	<0.001	<0.001	<0.001			
4/8/2016	<0.001							<0.001
4/11/2016							<0.001	
10/10/2016		<0.001	<0.001					
10/11/2016	<0.001			<0.001		<0.001	<0.001	<0.001
10/14/2016					<0.001			
4/7/2017	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001
4/10/2017						<0.001		
10/9/2017						0.0024 (O)		<0.001
10/10/2017	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
3/22/2018	<0.001		<0.001 (D)	<0.001				
3/23/2018		<0.001			<0.001		<0.001	
3/26/2018						<0.001		<0.001 (D)
10/3/2018			<0.001	<0.001	<0.001	<0.001		<0.001
10/4/2018		<0.001					<0.001	
10/5/2018	<0.001							
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
3/28/2019							<0.001	
9/12/2019	<0.001	0.0004 (J)	0.00061 (J)	0.00043 (J)	<0.001	0.00097 (J)	0.0012	<0.001
3/19/2020		<0.001	0.00074 (J)	<0.001	0.0004 (J)	0.00037 (J)	0.0015	<0.001
3/20/2020	<0.001							

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-21 (bg)	GWC-50	GWA-22 (bg)
9/10/2020				0.00062 (J)		0.00095 (J)	0.0017	<0.001
9/11/2020	<0.001	<0.001	0.001		<0.001			
4/2/2021			0.00077 (J)			0.00046 (J)		0.00049 (J)
4/5/2021	<0.001	<0.001			0.00034 (J)			
4/6/2021				<0.001			0.0019	

FIGURE H.

# Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/21/2021, 12:54 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004146	-152	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006343	329	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003288	165	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.000696	301	139	Yes	29	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004985	-184	-139	Yes	29	13.79	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.000569	232	139	Yes	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.00108	235	139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.000281	-121	-105	Yes	24	54.17	n/a	n/a	0.01	NP

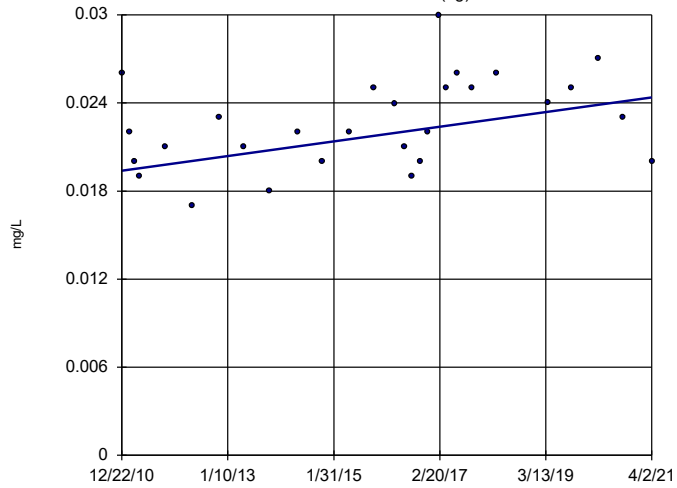
# Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/21/2021, 12:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0004836	112	131	No	28	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>-0.0004146</b>	<b>-152</b>	<b>-139</b>	<b>Yes</b>	<b>29</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>0.006343</b>	<b>329</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.0003288</b>	<b>165</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWA-47 (bg)	-0.001051	-101	-131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-28	-124	No	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-28	-139	No	29	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.000696</b>	<b>301</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-0.0004985</b>	<b>-184</b>	<b>-139</b>	<b>Yes</b>	<b>29</b>	<b>13.79</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>0.000569</b>	<b>232</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>6.897</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium, Total (mg/L)	GWA-45 (bg)	0	0	124	No	27	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00005196	57	139	No	29	3.448	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003293	-56	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0004164	-104	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00005362	-38	-139	No	29	3.448	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.00108</b>	<b>235</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>3.448</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel, Total (mg/L)	GWA-21 (bg)	0	-78	-98	No	23	82.61	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-22 (bg)	0	-22	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-45 (bg)	0	-76	-105	No	24	83.33	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-46 (bg)	0	-16	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-47 (bg)	0	-52	-105	No	24	66.67	n/a	n/a	0.01	NP
<b>Nickel, Total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>-0.000281</b>	<b>-121</b>	<b>-105</b>	<b>Yes</b>	<b>24</b>	<b>54.17</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel, Total (mg/L)	GWA-49 (bg)	0	-37	-105	No	24	91.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-50	0	-34	-105	No	24	83.33	n/a	n/a	0.01	NP

### Sen's Slope Estimator

GWA-21 (bg)

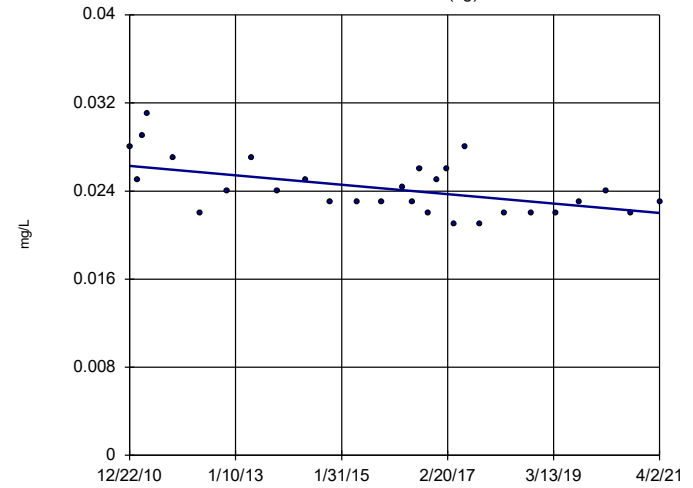


n = 28  
 Slope = 0.0004836  
 units per year.  
 Mann-Kendall  
 statistic = 112  
 critical = 131  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-22 (bg)

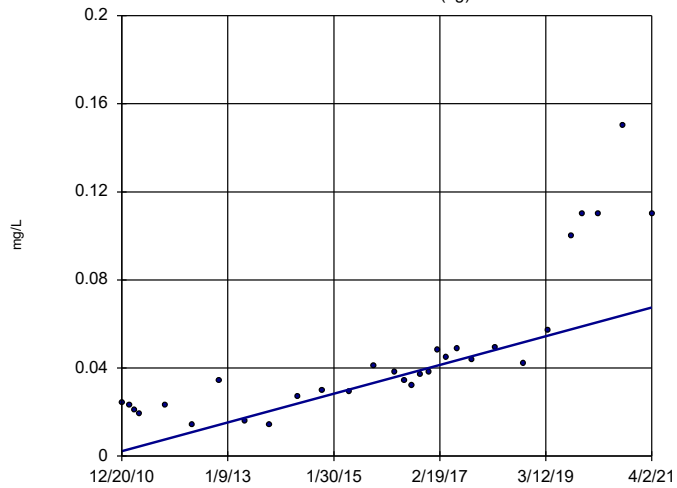


n = 29  
 Slope = -0.0004146  
 units per year.  
 Mann-Kendall  
 statistic = -152  
 critical = -139  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-45 (bg)

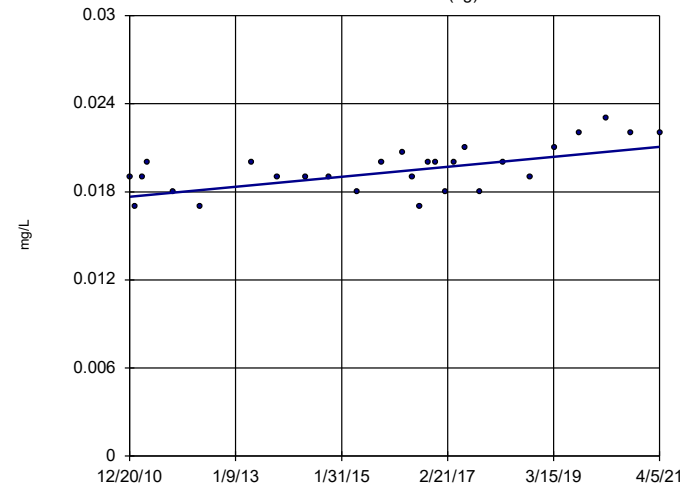


n = 30  
 Slope = 0.006343  
 units per year.  
 Mann-Kendall  
 statistic = 329  
 critical = 146  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-46 (bg)

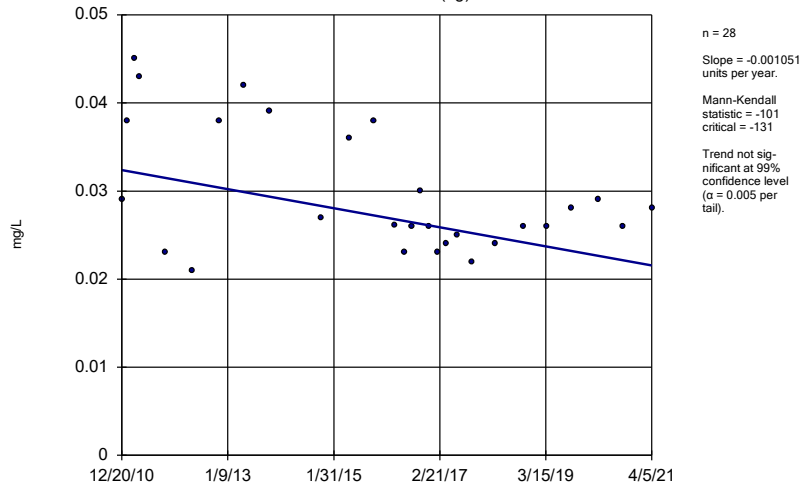


n = 28  
 Slope = 0.0003288  
 units per year.  
 Mann-Kendall  
 statistic = 165  
 critical = 131  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

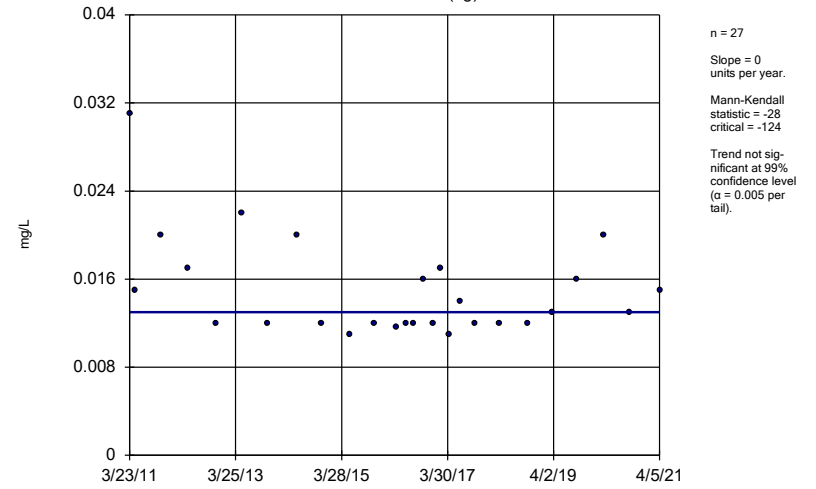
GWA-47 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

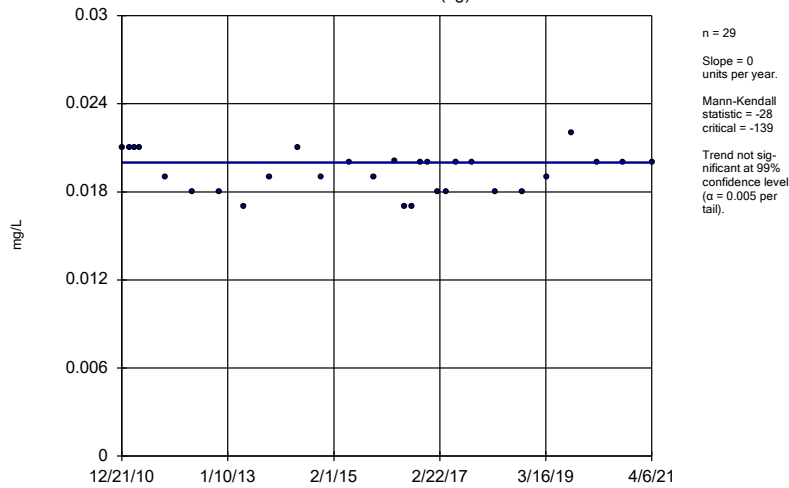
GWA-48 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

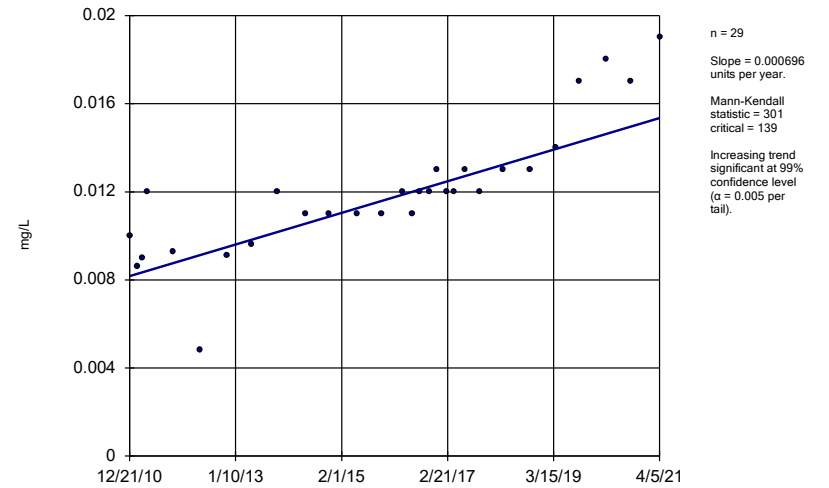
GWA-49 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

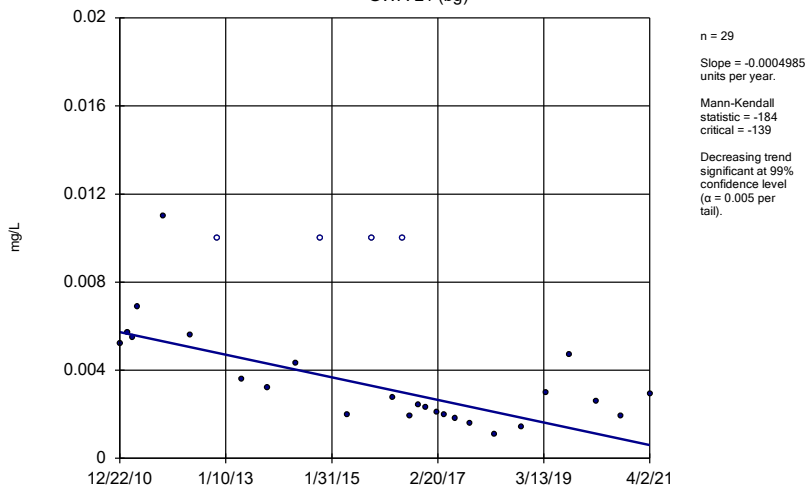
### Sen's Slope Estimator

GWC-52



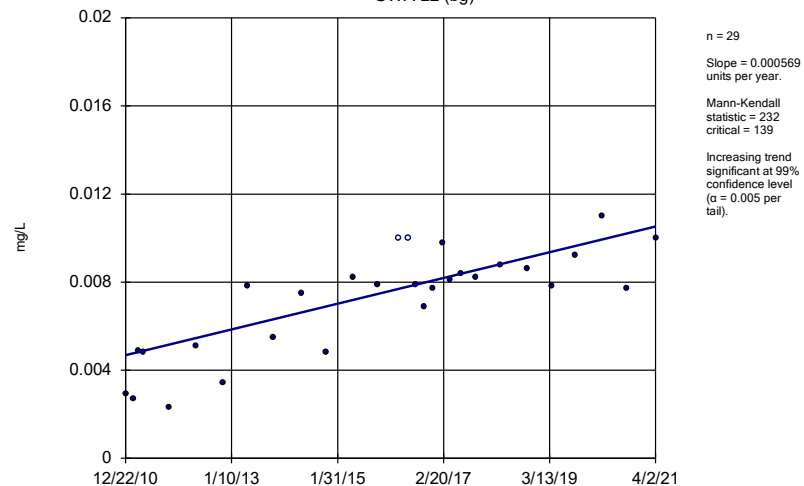
Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-21 (bg)



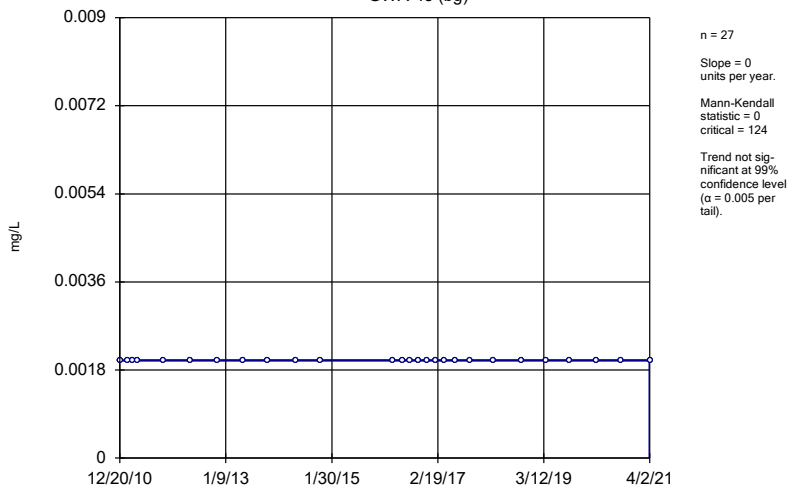
Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-22 (bg)



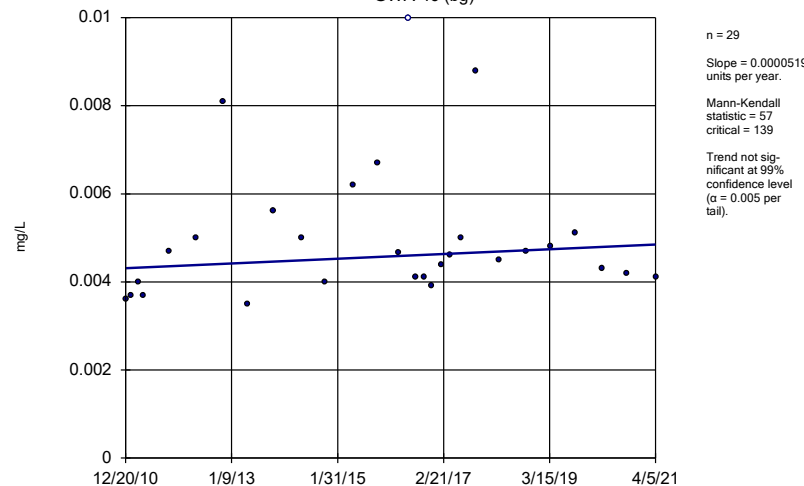
Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-45 (bg)



Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

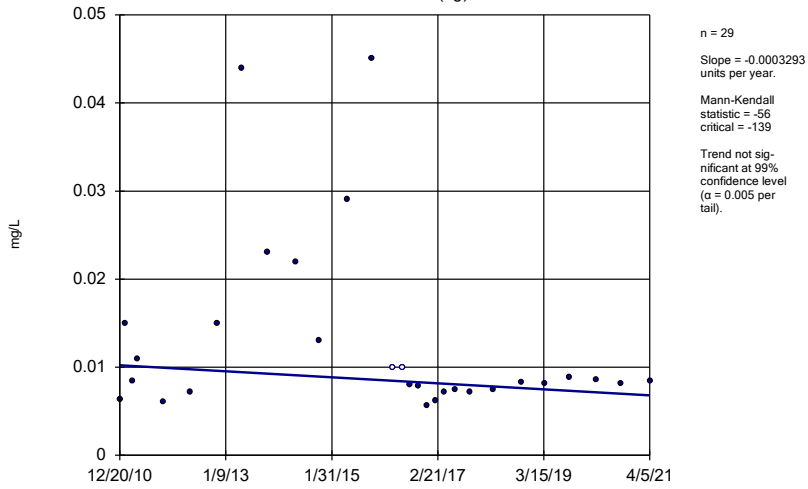
Sen's Slope Estimator  
GWA-46 (bg)



Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

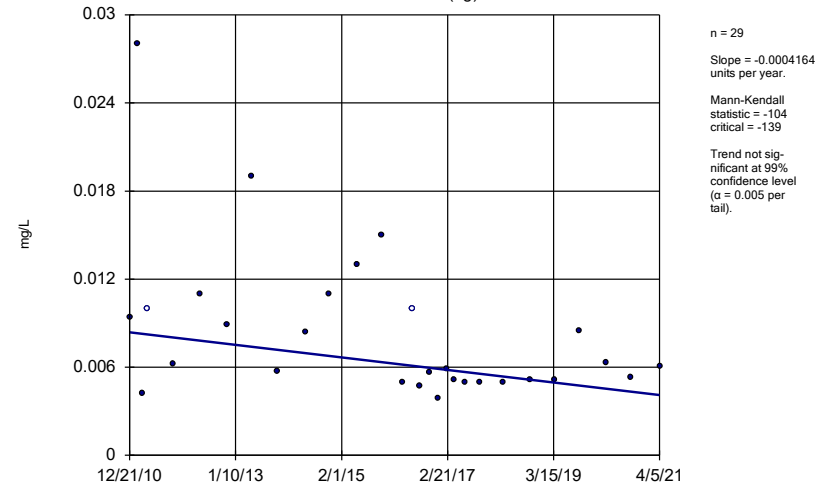


### Sen's Slope Estimator GWA-47 (bg)



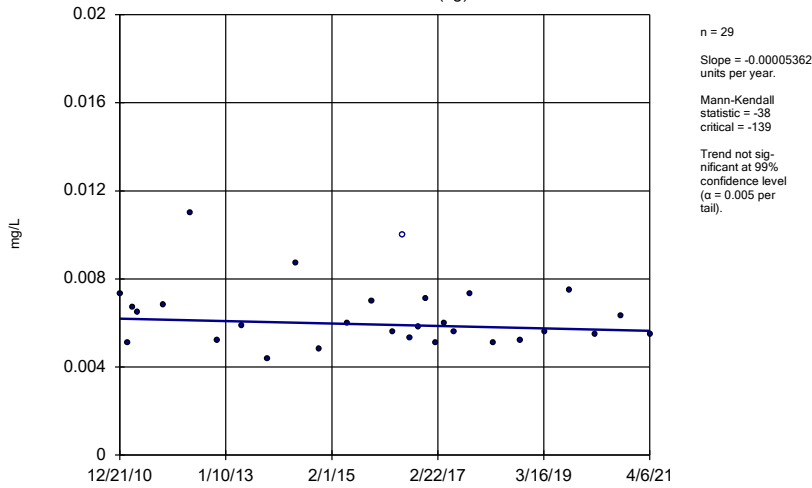
Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-48 (bg)



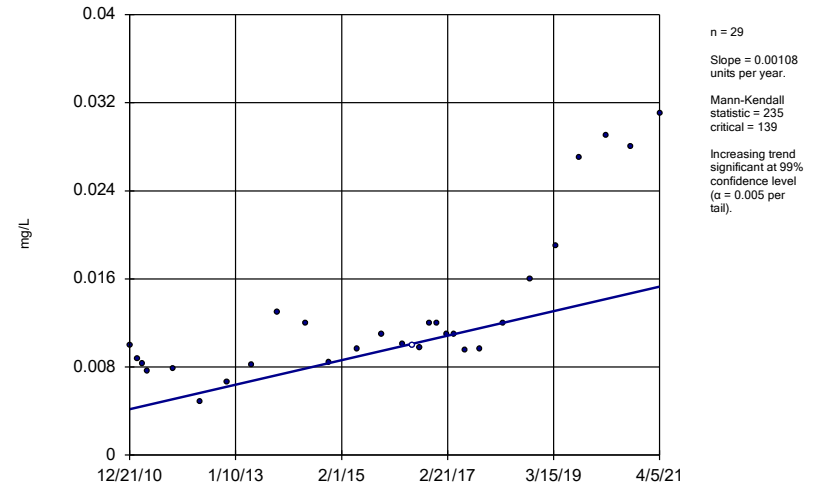
Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-49 (bg)



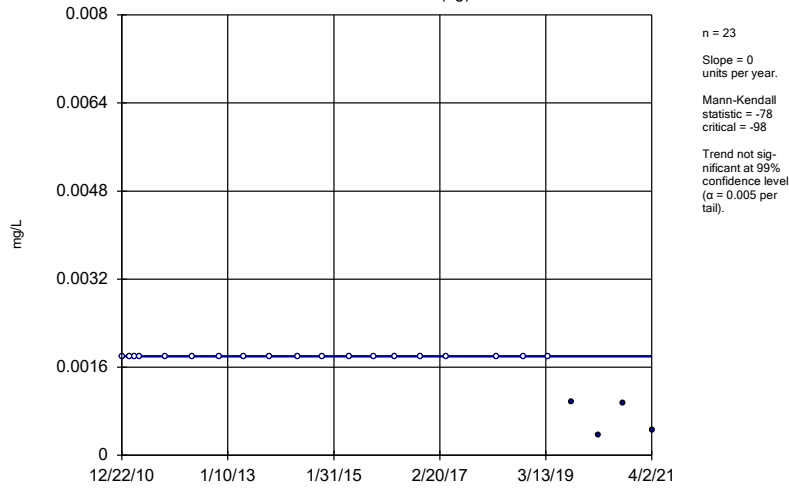
Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWC-52



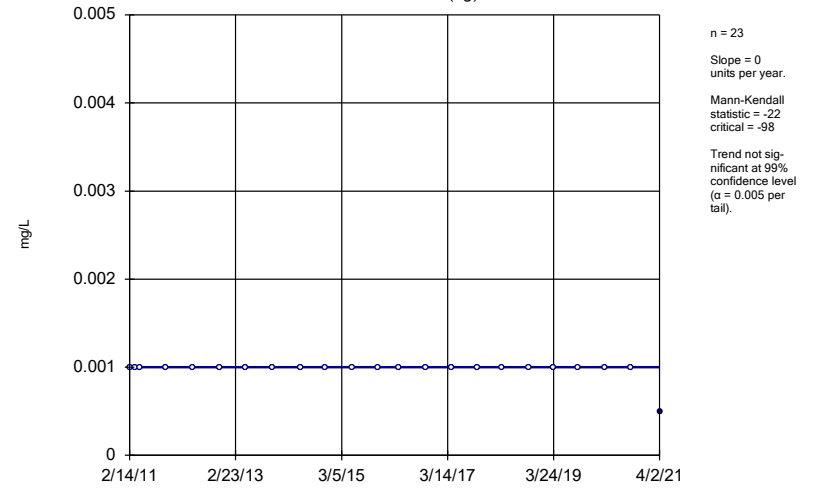
Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-21 (bg)



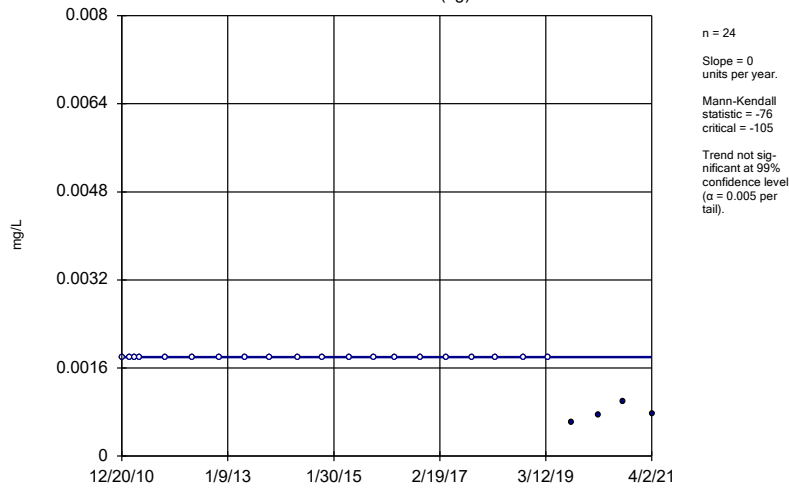
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-22 (bg)



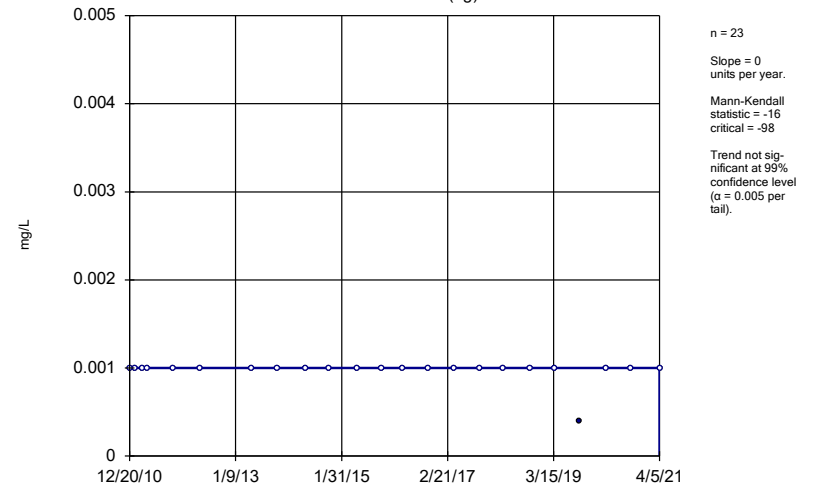
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-45 (bg)



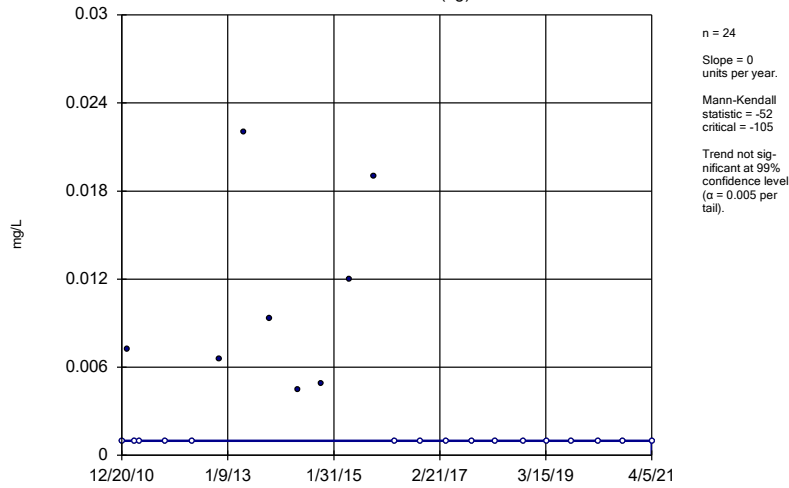
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-46 (bg)



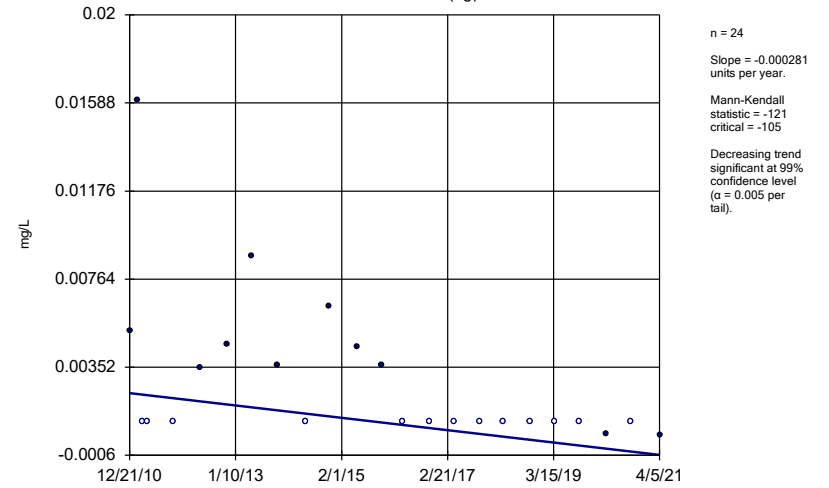
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-47 (bg)



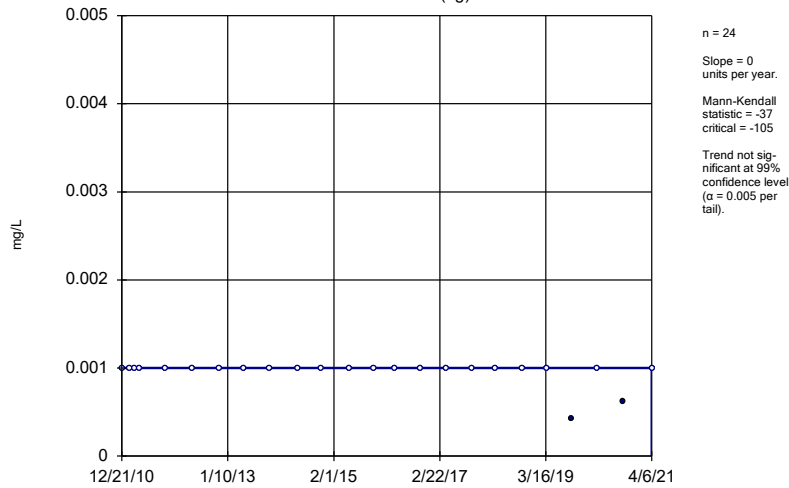
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-48 (bg)



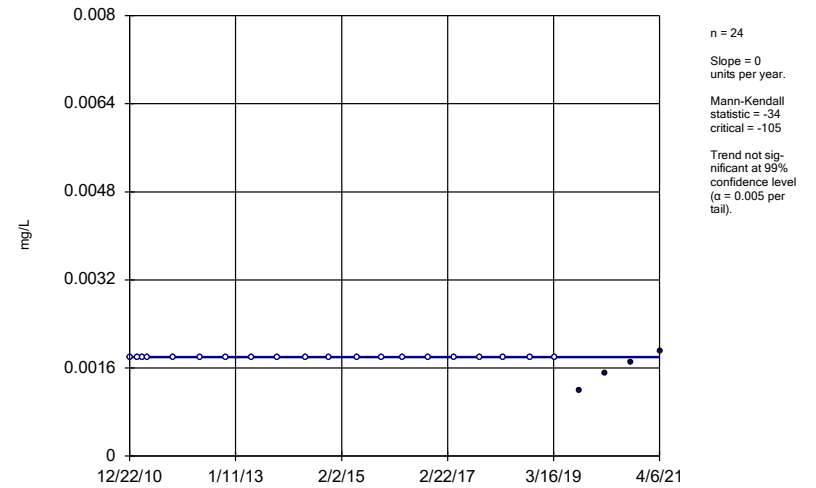
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-49 (bg)



Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-50



Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

FIGURE I.

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-47	12.34	n/a	4/5/2021	13	Yes	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.64	n/a	4/6/2021	16	Yes	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	16	n/a	4/6/2021	17	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	7.763	n/a	4/5/2021	8	Yes	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	19.24	n/a	4/5/2021	21	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	12	n/a	4/2/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.852	n/a	4/5/2021	5.3	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-47	1.787	n/a	4/5/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.996	n/a	4/5/2021	2	Yes	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.599	n/a	4/5/2021	7.8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2
pH (S.U.)	GWA-21	5.979	5.611	4/2/2021	6.06	Yes	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-45	6.48	5.95	4/2/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-29	6.059	5.652	4/6/2021	6.3	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	4/5/2021	57	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2



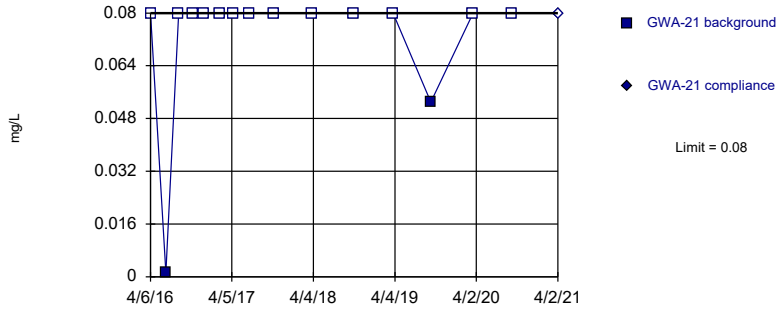
# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate, total (mg/L)	GWA-21	2.559	n/a	4/2/2021	0.99J	No	15	1.375	0.5398	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	4/2/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	183.3	n/a	4/2/2021	180	No	15	147.8	16.19	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-46	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.689	n/a	4/5/2021	1.3	No	15	1.235	0.2069	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-49	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-29	3.367	n/a	4/6/2021	2.5	No	15	2.643	0.33	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-50	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-51	2.7	n/a	4/5/2021	1.7	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>26.14</b>	<b>n/a</b>	<b>4/5/2021</b>	<b>57</b>	<b>Yes</b>	<b>11</b>	<b>12.62</b>	<b>5.636</b>	<b>9.091</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Sulfate, total (mg/L)	GWC-53	186.4	n/a	4/6/2021	160	No	15	153.7	14.9	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	129.8	n/a	4/2/2021	100	No	15	85.4	20.24	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	105.2	n/a	4/2/2021	69	No	15	66.13	17.82	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	366.7	n/a	4/2/2021	360	No	15	271.8	43.29	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	94.72	n/a	4/5/2021	46	No	15	51.77	19.59	6.667	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	118.4	n/a	4/5/2021	63	No	15	86.07	14.72	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	126.5	n/a	4/5/2021	99	No	15	92.53	15.48	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	131.2	n/a	4/6/2021	110	No	14	107.4	10.65	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	139.5	n/a	4/6/2021	110	No	15	90.67	22.27	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	119.1	n/a	4/6/2021	49	No	15	70.53	22.17	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	108.7	n/a	4/5/2021	66	No	14	77.07	14.12	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	193.6	n/a	4/5/2021	170	No	15	128.3	29.78	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	332.3	n/a	4/6/2021	250	No	15	254.5	35.48	0	None	No	0.001504	Param Intra 1 of 2

Within Limit

### Prediction Limit Intrawell Non-parametric

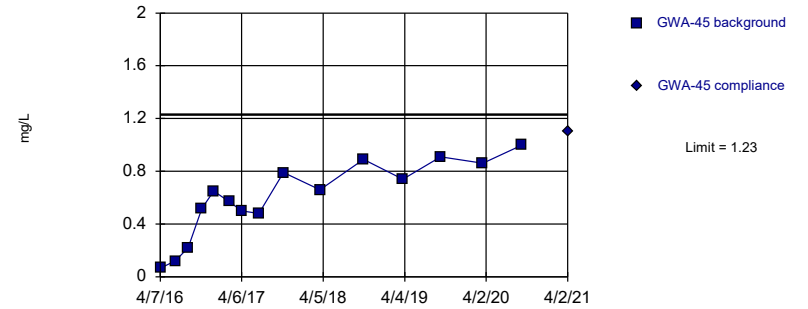


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Parametric

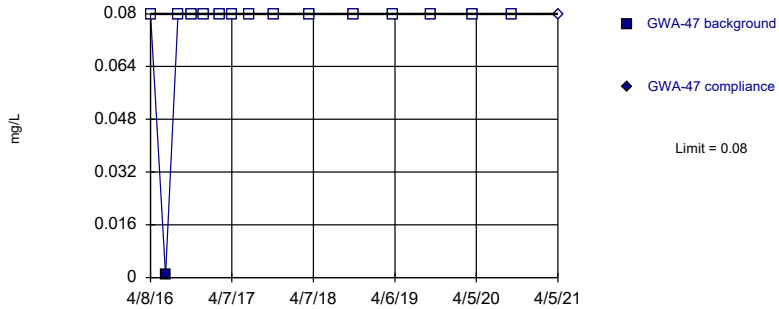


Background Data Summary: Mean=0.5984, Std. Dev.=0.288, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9372, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

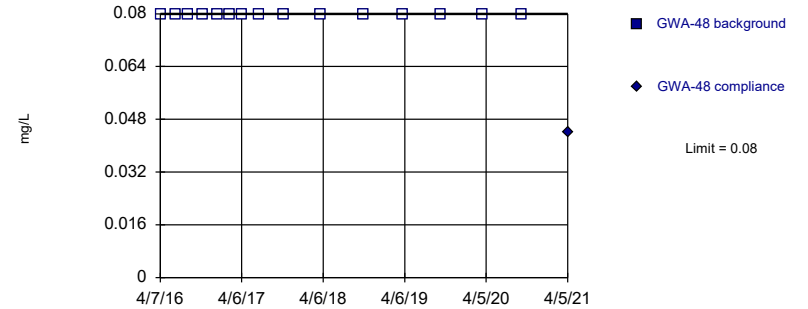


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric



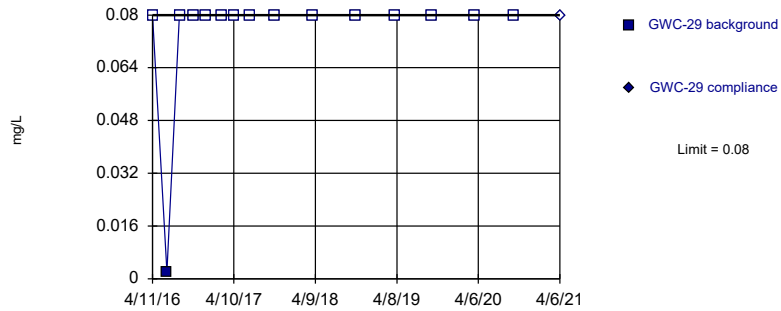
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

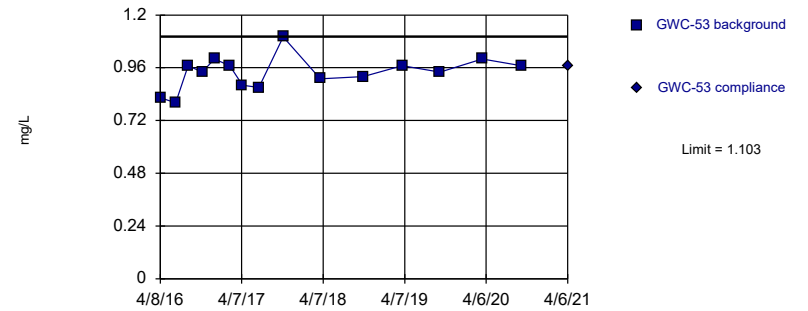


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

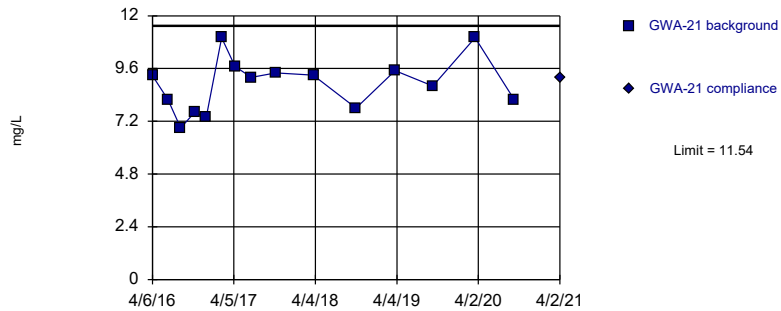


Background Data Summary: Mean=0.9376, Std. Dev.=0.0752, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9611, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

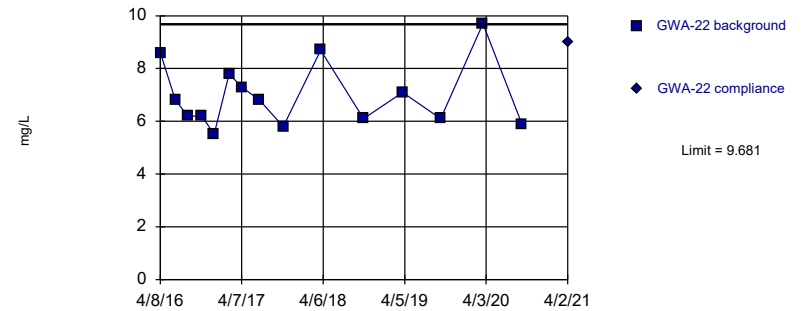


Background Data Summary: Mean=8.885, Std. Dev.=1.213, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9506, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric



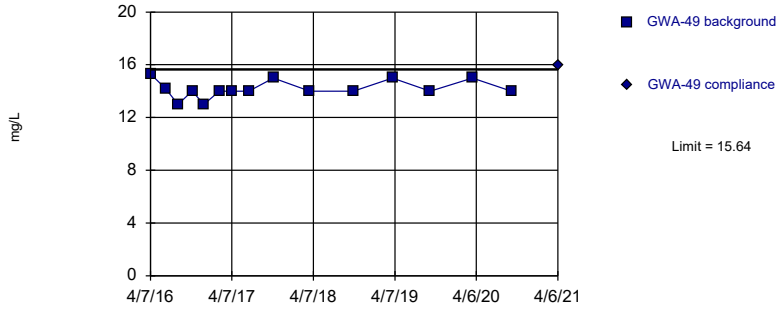
Background Data Summary: Mean=6.973, Std. Dev.=1.235, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8995, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Exceeds Limit

Prediction Limit  
Intrawell Parametric

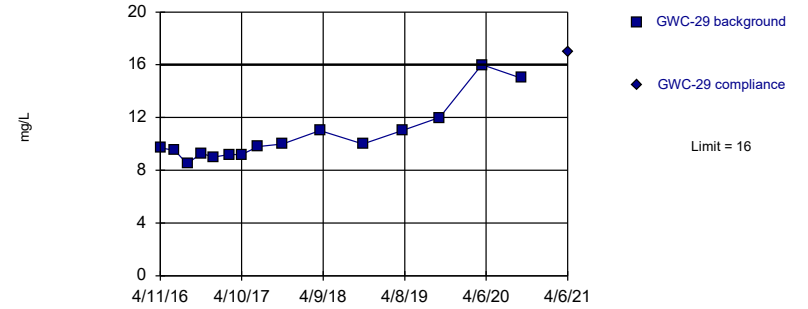


Background Data Summary: Mean=14.17, Std. Dev.=0.6715, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8453, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

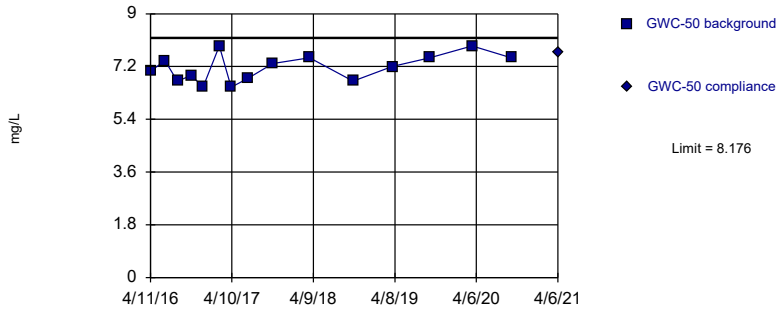


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

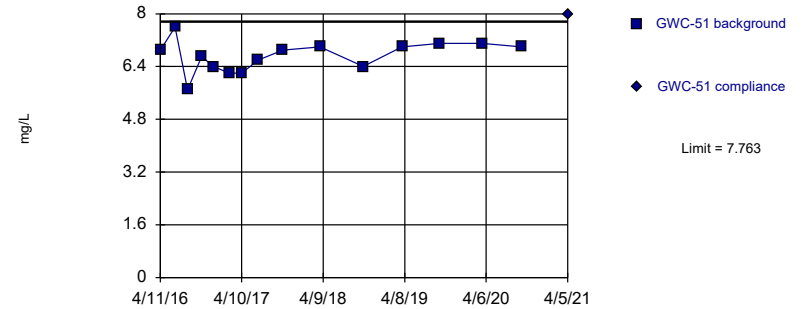


Background Data Summary: Mean=7.156, Std. Dev.=0.465, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



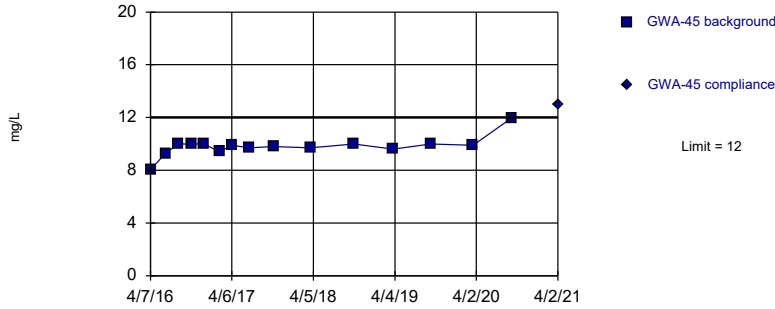
Background Data Summary: Mean=6.72, Std. Dev.=0.4754, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.955, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Exceeds Limit

**Prediction Limit**  
Intrawell Non-parametric

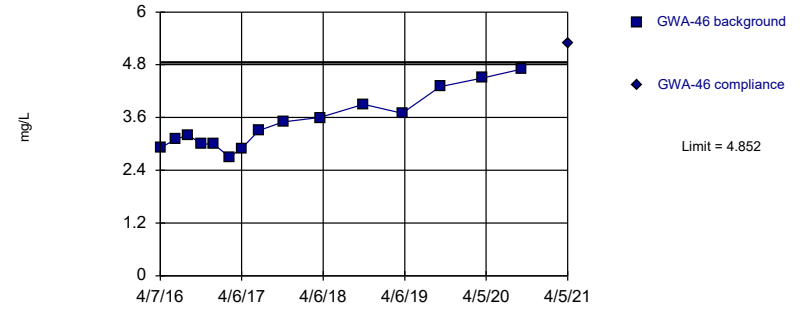


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric

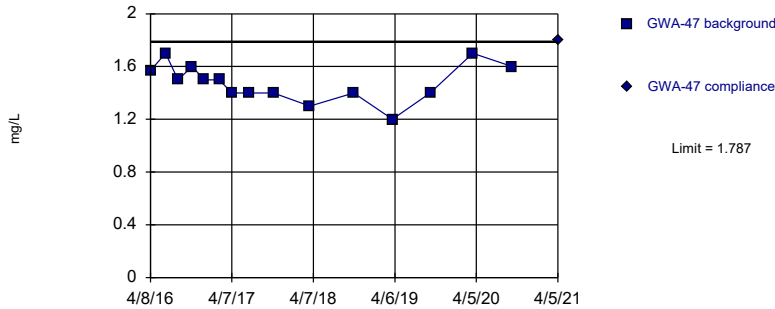


Background Data Summary: Mean=3.488, Std. Dev.=0.6223, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9136, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric

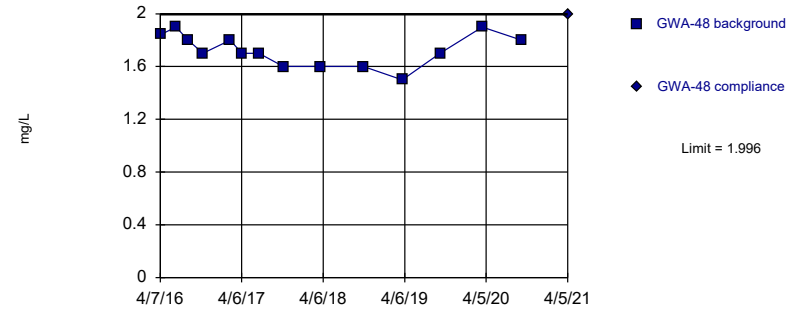


Background Data Summary: Mean=1.478, Std. Dev.=0.1408, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9491, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

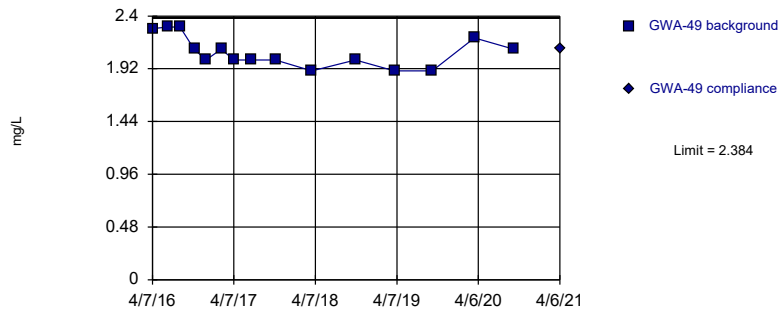
**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=1.724, Std. Dev.=0.1215, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

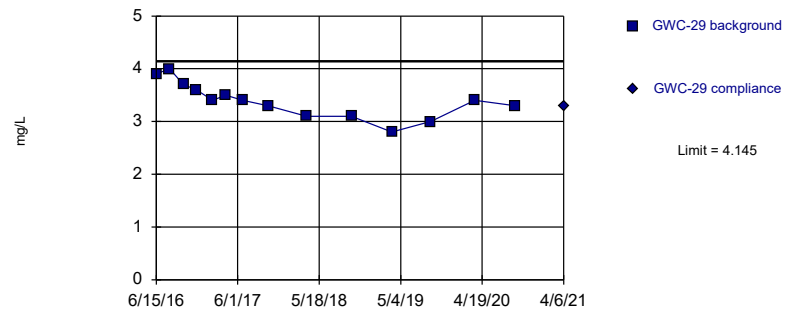
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.072, Std. Dev.=0.1421, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.879, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

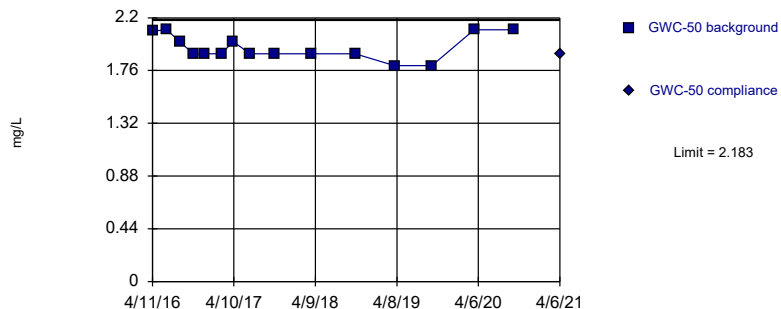
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=3.393, Std. Dev.=0.3362, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9776, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

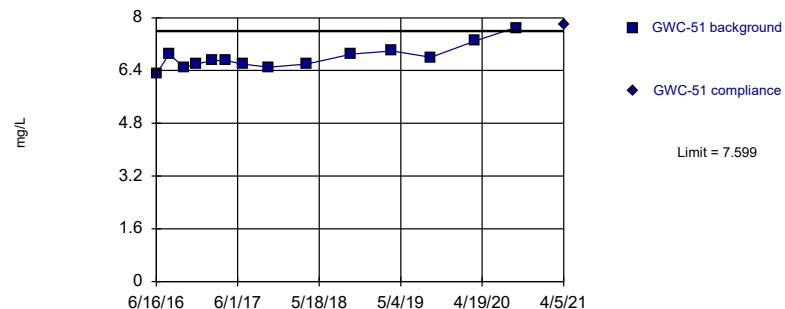
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.953, Std. Dev.=0.105, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8463, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit Prediction Limit  
Intrawell Parametric

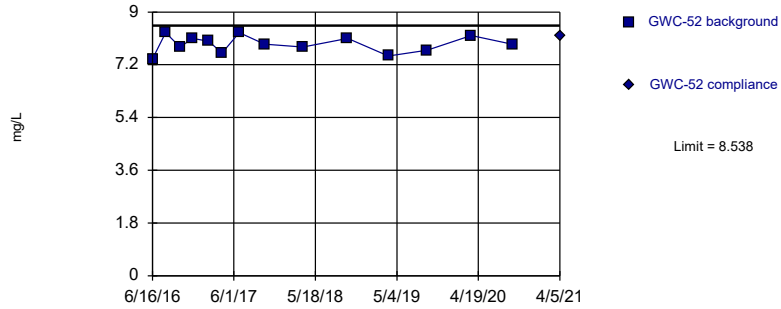


Background Data Summary: Mean=6.793, Std. Dev.=0.3605, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Parametric

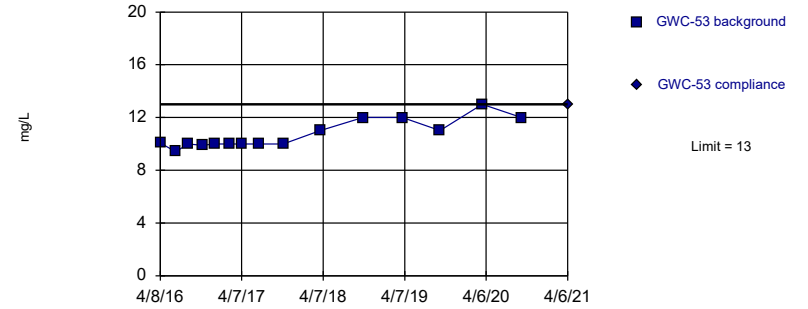


Background Data Summary: Mean=7.9, Std. Dev.=0.2855, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9613, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

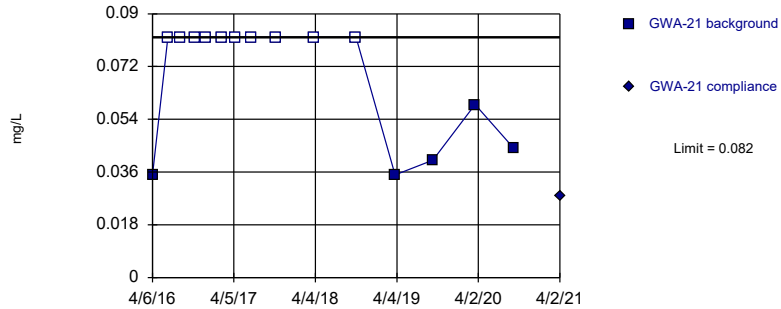


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

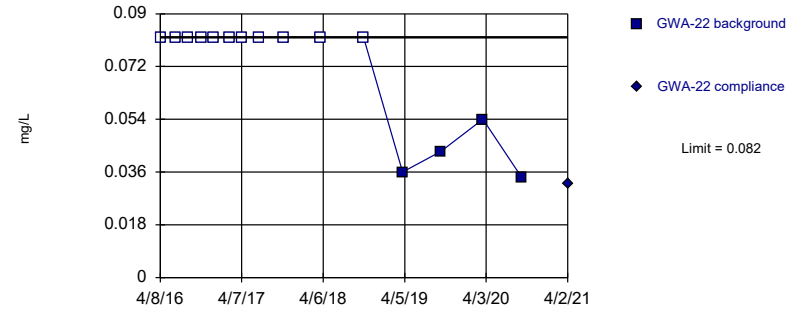


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

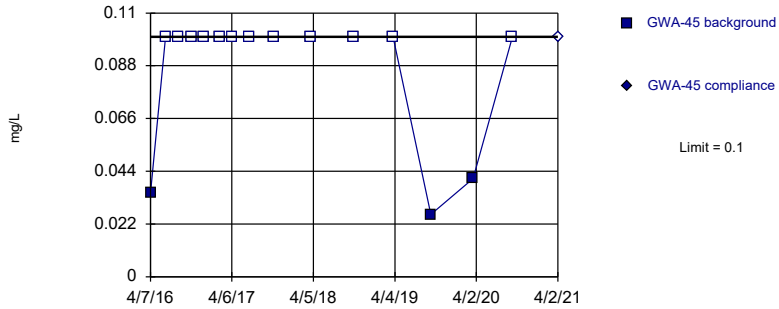


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

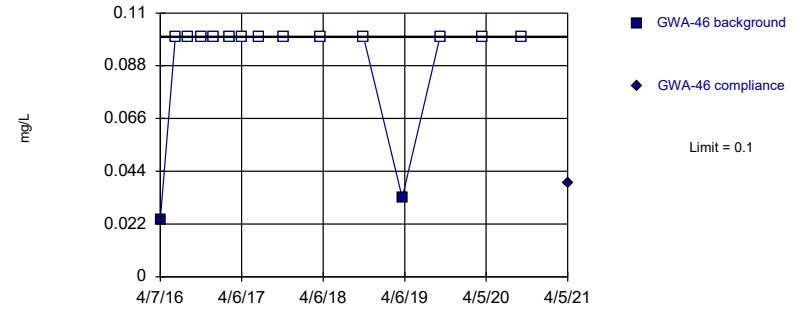


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

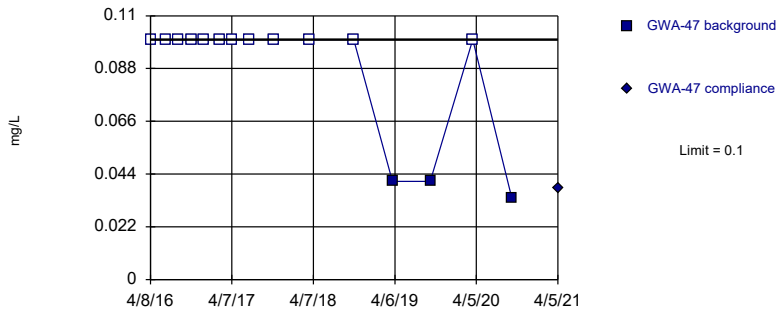


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

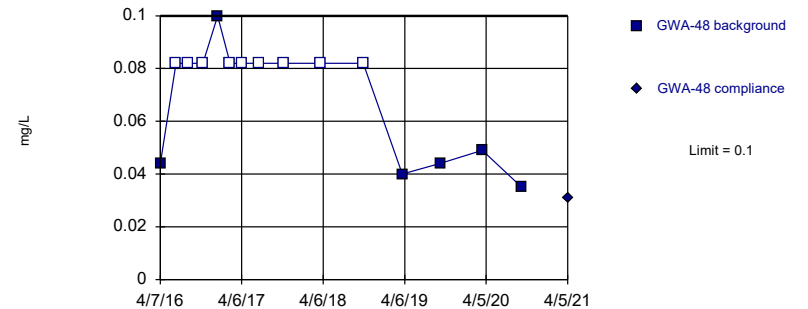


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



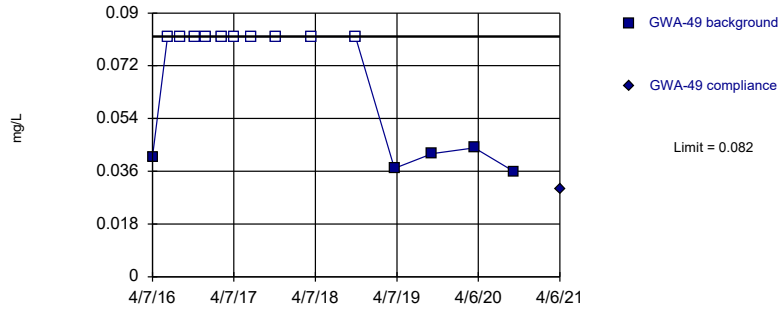
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

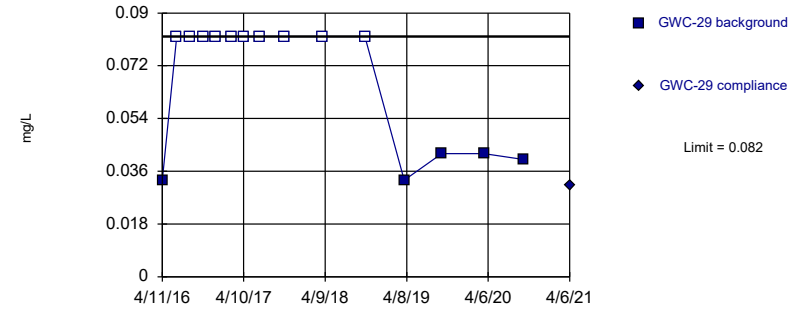


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

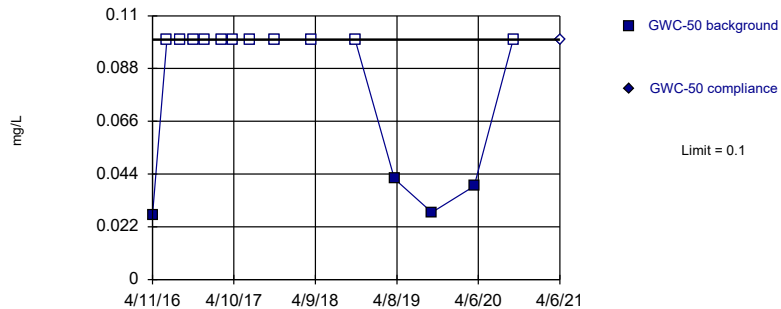


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

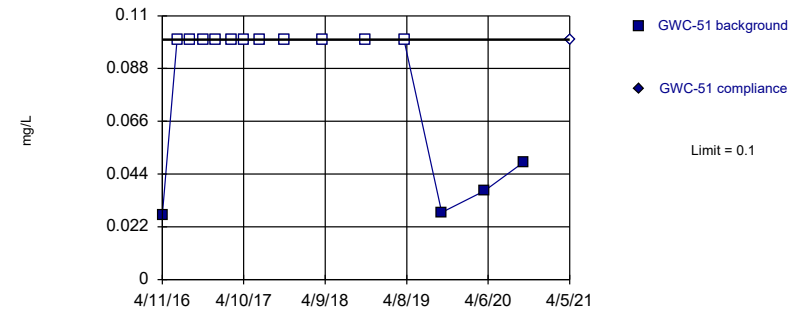


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

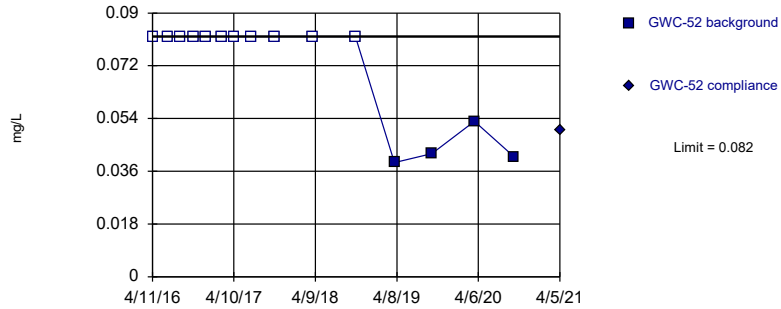


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

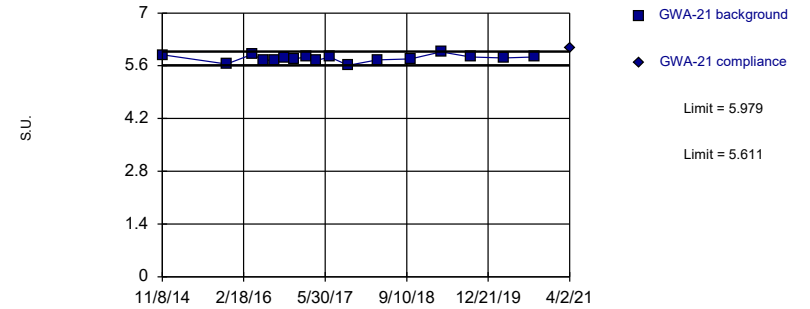


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

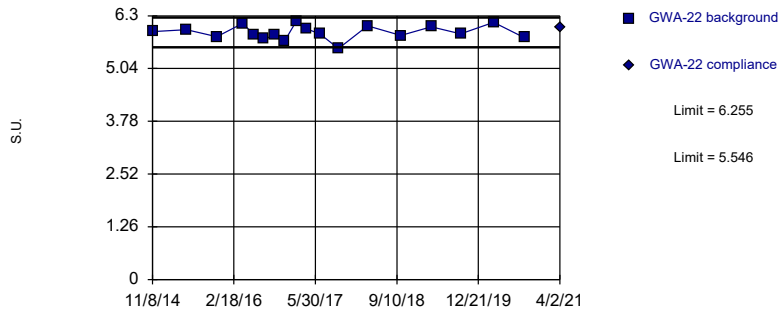


Background Data Summary: Mean=5.795, Std. Dev.=0.08654, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.961, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

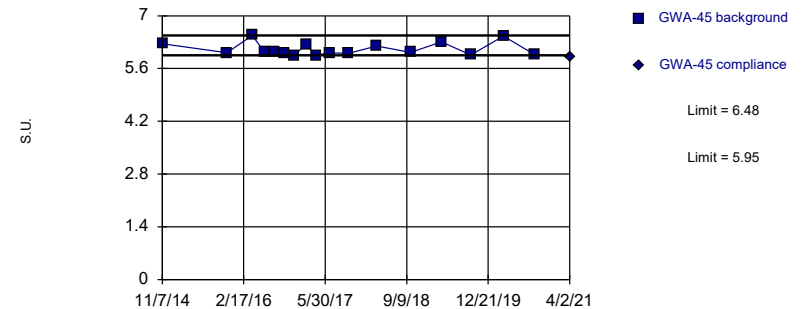


Background Data Summary: Mean=5.901, Std. Dev.=0.1685, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit  
Intrawell Non-parametric

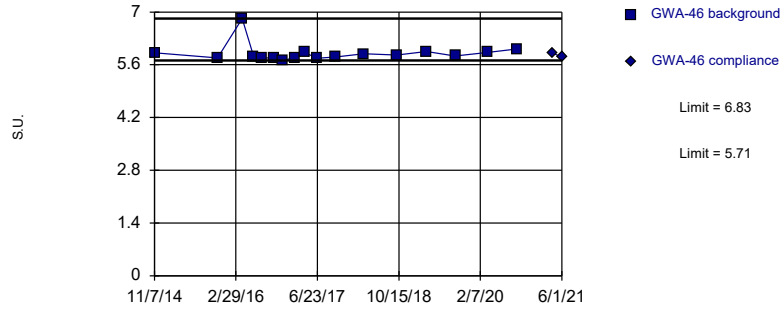


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

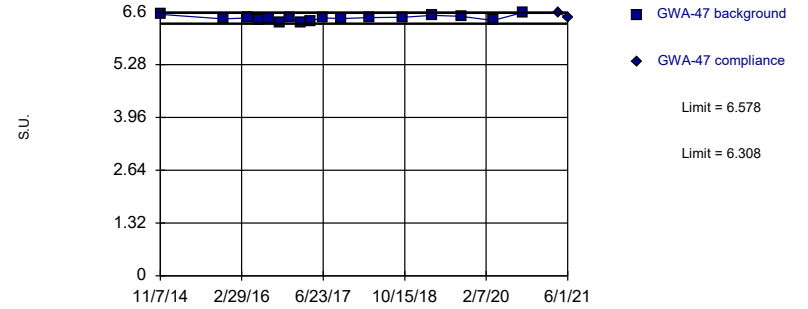


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

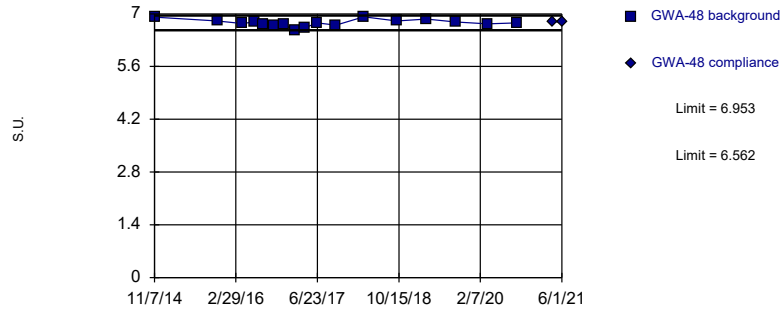


Background Data Summary: Mean=6.443, Std. Dev.=0.06488, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9705, critical = 0.863. Kappa = 2.081 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

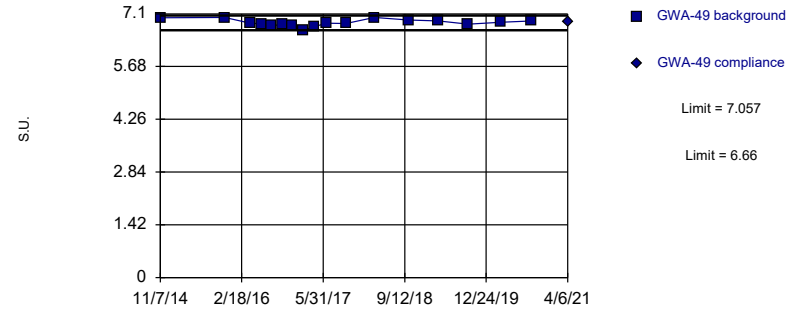


Background Data Summary: Mean=6.758, Std. Dev.=0.09196, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9653, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

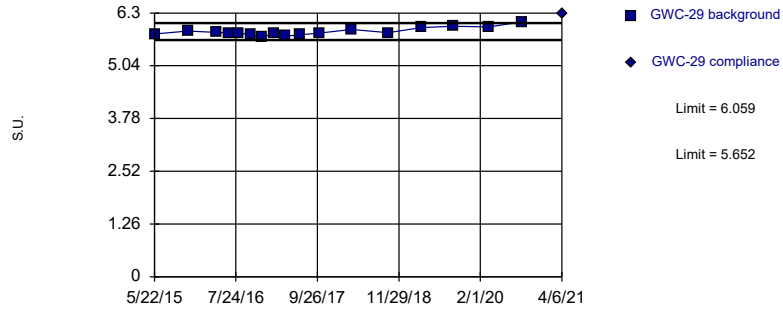


Background Data Summary: Mean=6.858, Std. Dev.=0.09329, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9581, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

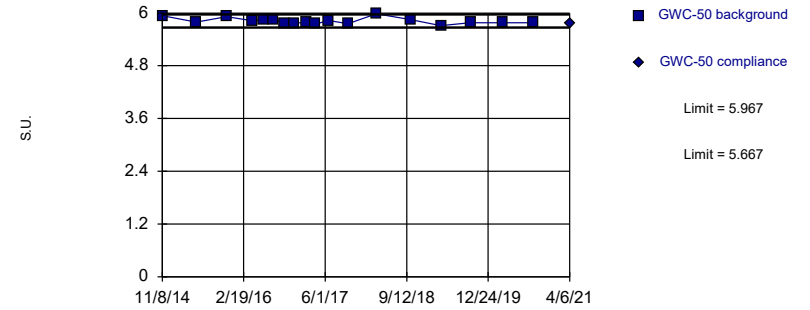


Background Data Summary: Mean=5.855, Std. Dev.=0.09566, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

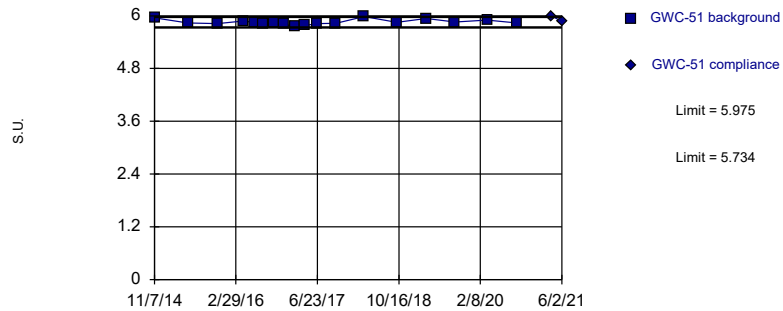


Background Data Summary: Mean=5.817, Std. Dev.=0.07136, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9175, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

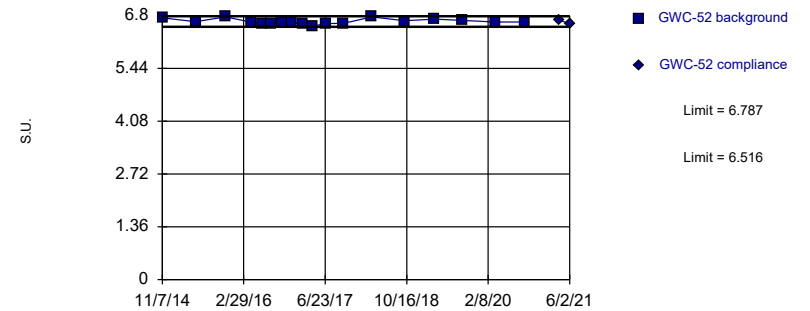


Background Data Summary: Mean=5.854, Std. Dev.=0.05721, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.93, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

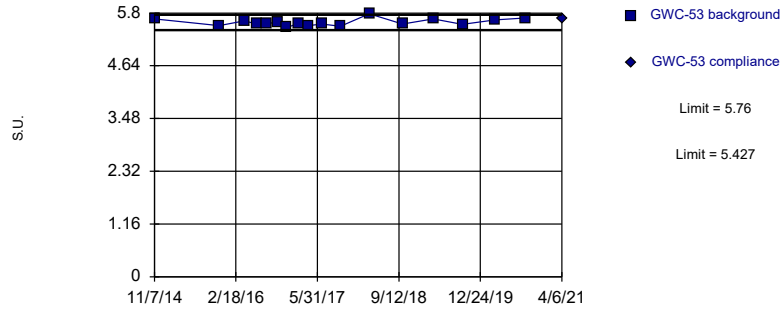


Background Data Summary: Mean=6.652, Std. Dev.=0.06447, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9303, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

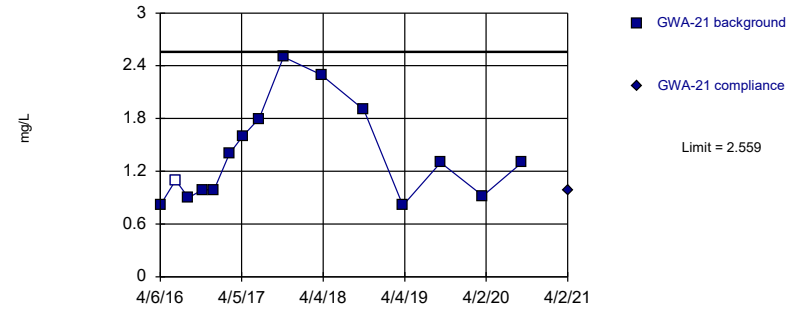


Background Data Summary: Mean=5.594, Std. Dev.=0.07834, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

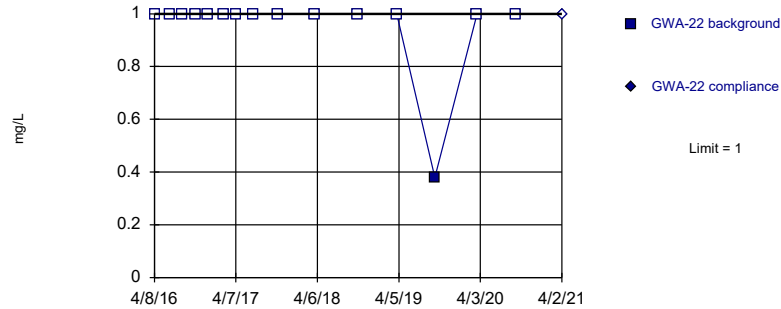


Background Data Summary: Mean=1.375, Std. Dev.=0.5398, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8886, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

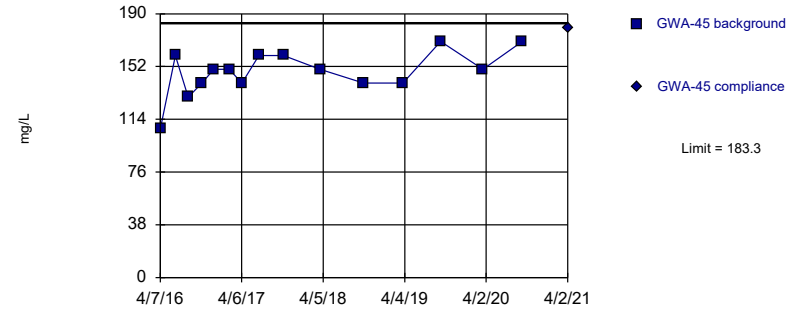


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

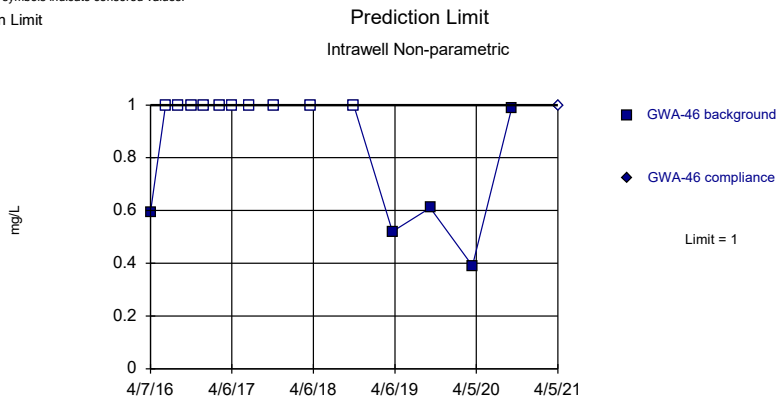
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=147.8, Std. Dev.=16.19, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

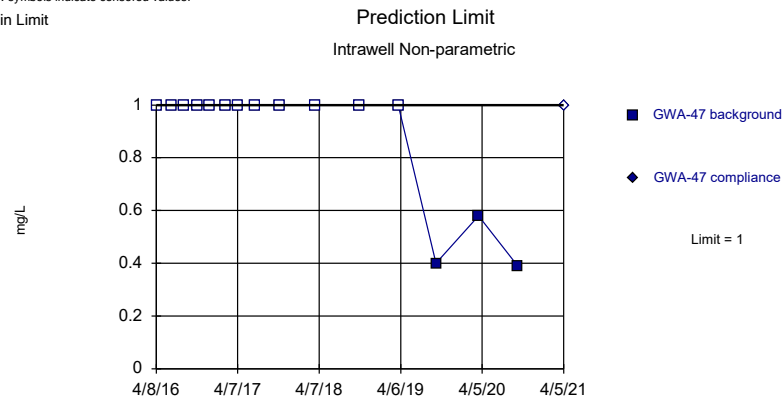
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

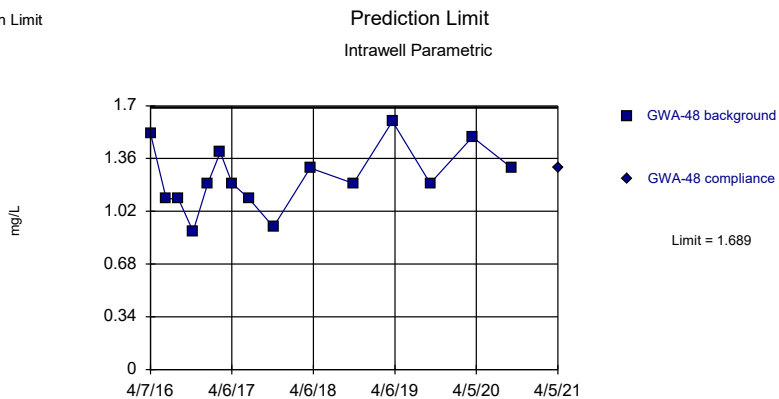
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

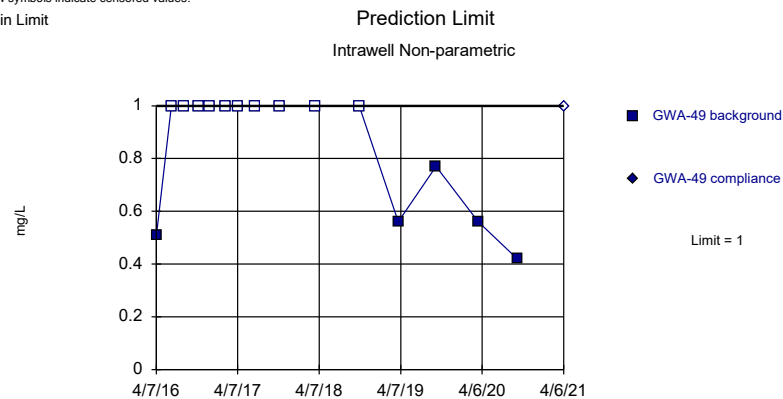
Within Limit



Background Data Summary: Mean=1.235, Std. Dev.=0.2069, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9553, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

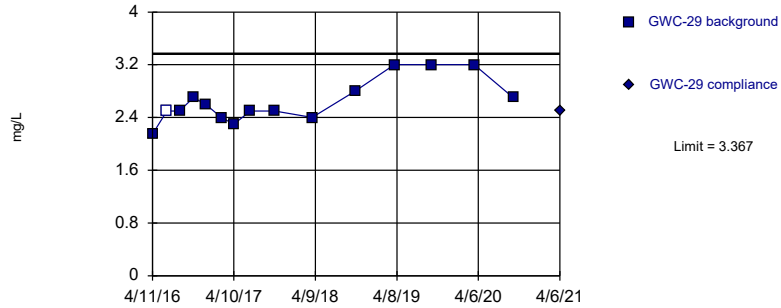


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Parametric

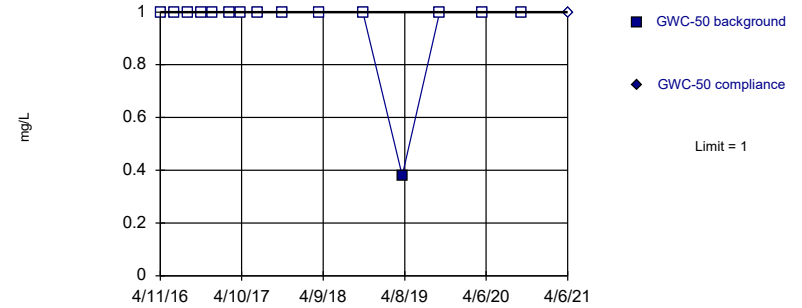


Background Data Summary: Mean=2.643, Std. Dev.=0.33, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8858, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

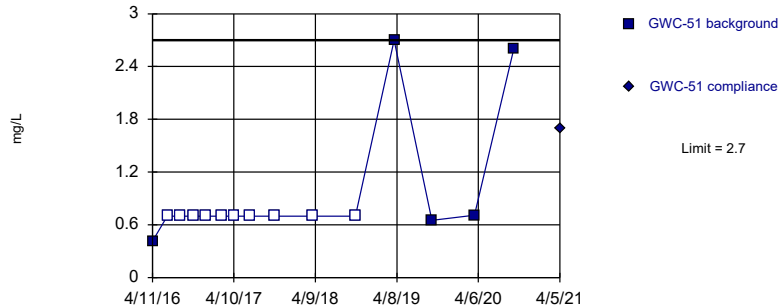


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

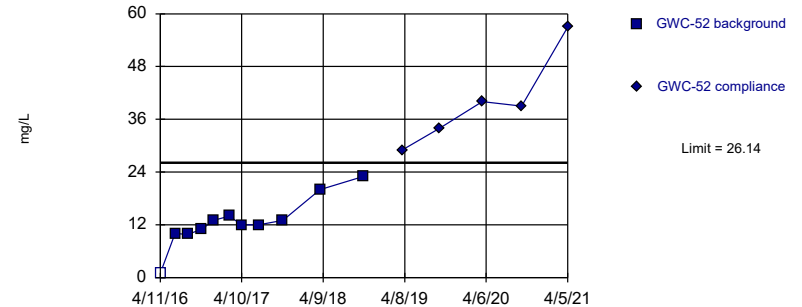


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

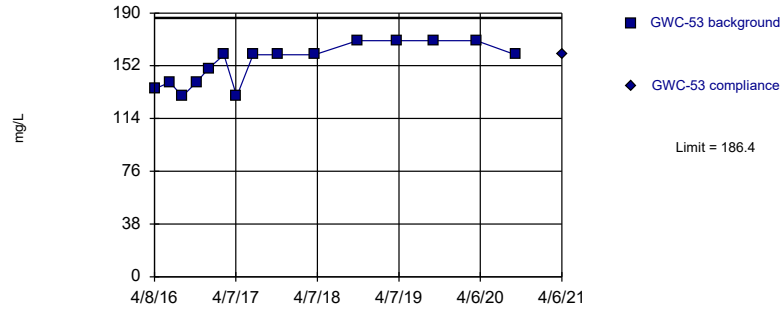
### Prediction Limit Intrawell Parametric



Background Data Summary: Mean=12.62, Std. Dev.=5.636, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9059, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

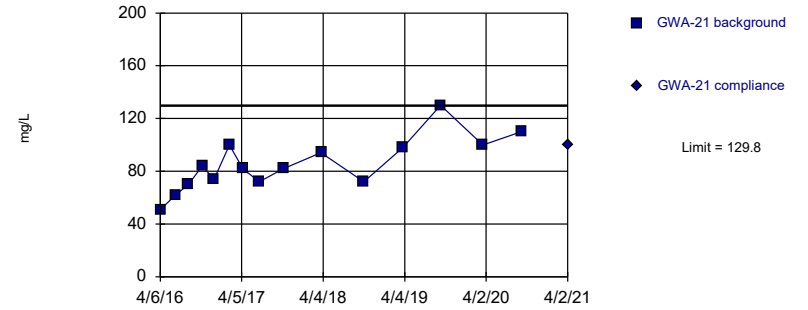
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=153.7, Std. Dev.=14.9, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.859, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

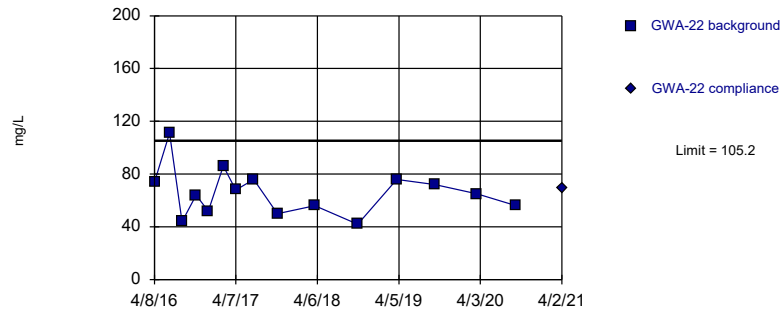
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=85.4, Std. Dev.=20.24, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9719, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

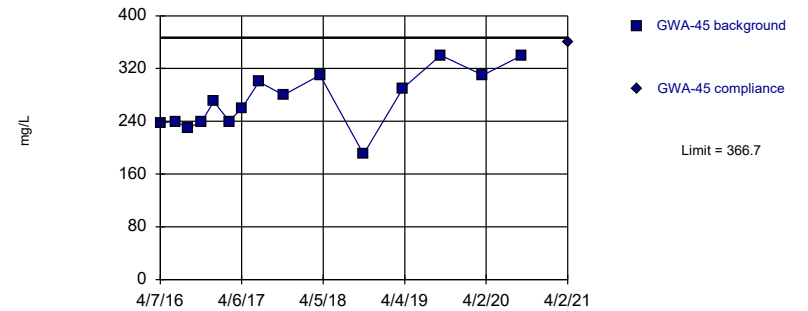
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=66.13, Std. Dev.=17.82, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit Prediction Limit  
Intrawell Parametric



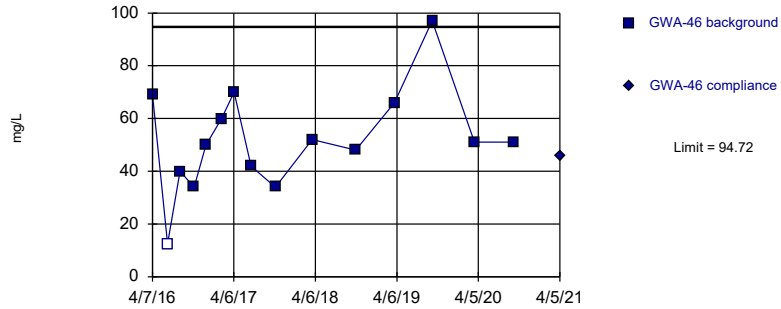
Background Data Summary: Mean=271.8, Std. Dev.=43.29, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9557, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Parametric

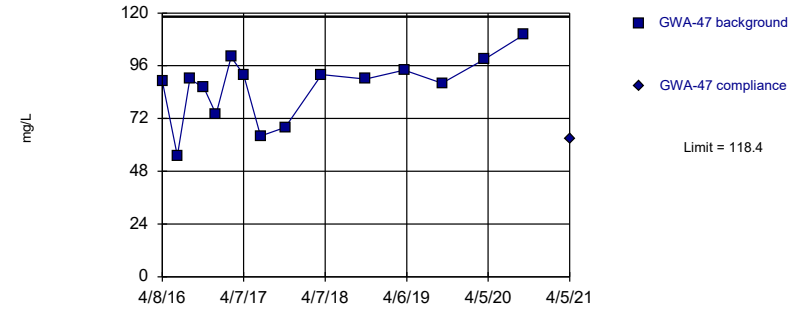


Background Data Summary: Mean=51.77, Std. Dev.=19.59, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9615, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

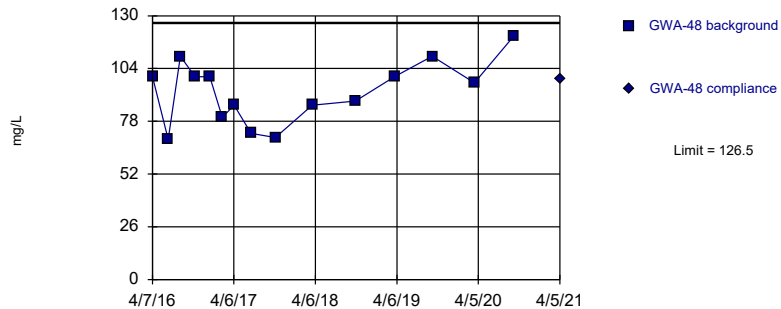


Background Data Summary: Mean=86.07, Std. Dev.=14.72, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9229, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

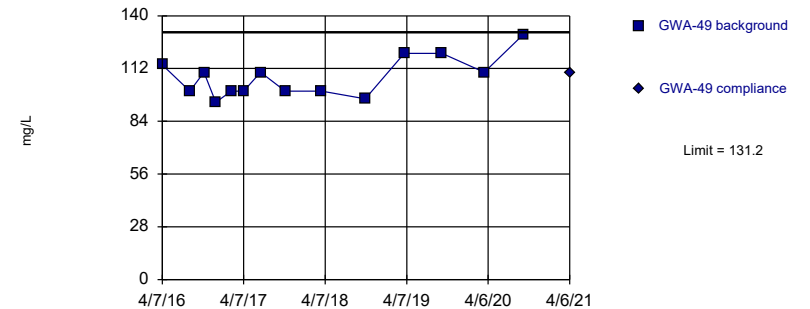


Background Data Summary: Mean=92.53, Std. Dev.=15.48, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

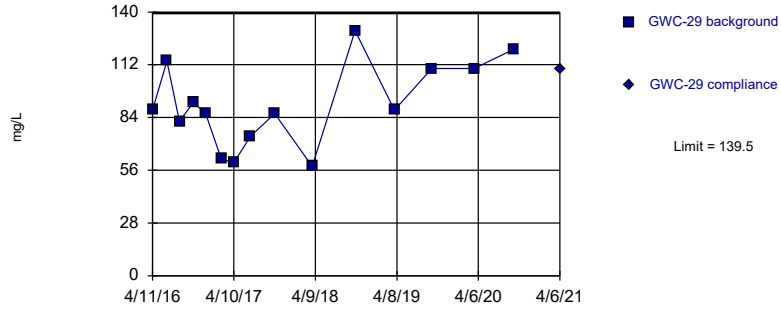


Background Data Summary: Mean=107.4, Std. Dev.=10.65, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

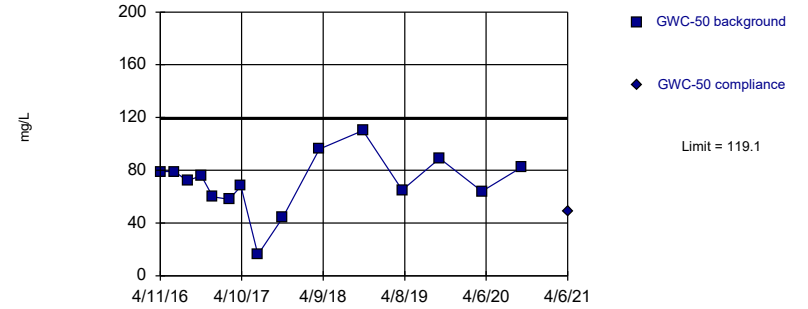


Background Data Summary: Mean=90.67, Std. Dev.=22.27, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9465, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

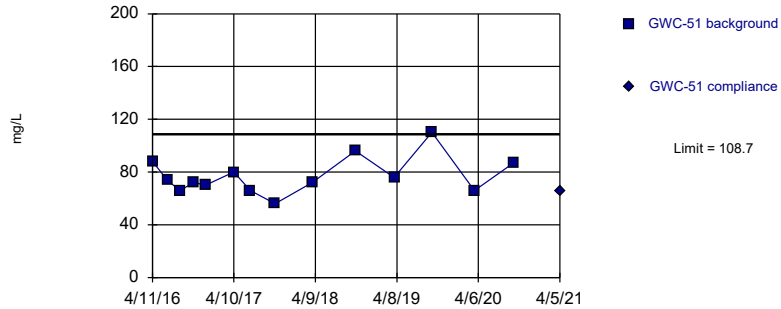


Background Data Summary: Mean=70.53, Std. Dev.=22.17, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9554, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

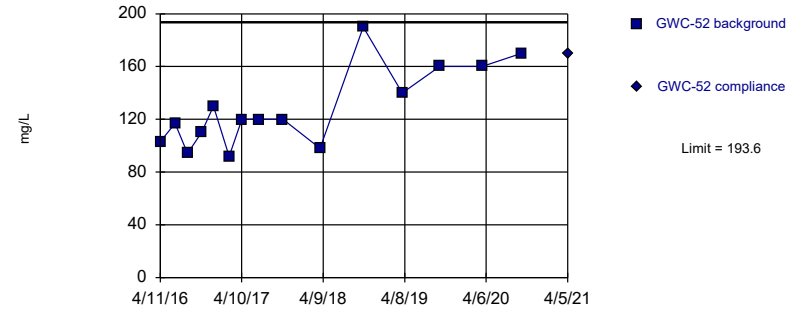


Background Data Summary: Mean=77.07, Std. Dev.=14.12, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

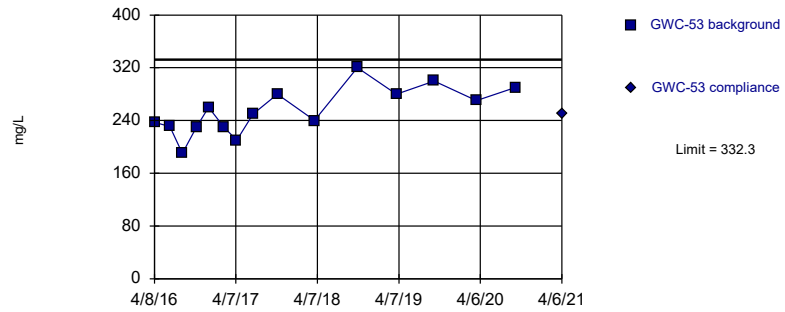


Background Data Summary: Mean=128.3, Std. Dev.=29.78, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9216, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Parametric



Background Data Summary: Mean=254.5, Std. Dev.=35.48, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9808, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	<0.08	
6/14/2016	0.0012 (J)	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/2/2016	<0.08	
2/10/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/9/2017	<0.08	
3/26/2018	<0.08	
10/3/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	0.053	
3/19/2020	<0.08	
9/10/2020	<0.08	
4/2/2021		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	0.0657 (J)	
6/14/2016	0.12	
8/9/2016	0.22	
10/10/2016	0.52	
12/2/2016	0.65	
2/9/2017	0.57	
4/7/2017	0.5	
6/22/2017	0.48	
10/10/2017	0.79	
3/22/2018	0.66	
10/3/2018	0.89	
3/27/2019	0.74	
9/12/2019	0.91	
3/19/2020	0.86	
9/11/2020	1	
4/2/2021		1.1

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.08	
6/14/2016	0.00079 (J)	
8/9/2016	<0.08	
10/11/2016	<0.08	
12/5/2016	<0.08	
2/10/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/22/2018	<0.08	
10/5/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	<0.08	
3/20/2020	<0.08	
9/11/2020	<0.08	
4/5/2021		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	<0.08	
6/17/2016	<0.08	
8/10/2016	<0.08	
10/14/2016	<0.08	
12/19/2016	<0.08	
2/13/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/23/2018	<0.08	
10/3/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	<0.08	
3/19/2020	<0.08	
9/11/2020	<0.08	
4/5/2021		0.044 (J)

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	<0.08	
6/15/2016	0.0021 (J)	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/5/2016	<0.08	
2/13/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/10/2017	<0.08	
3/26/2018	<0.08	
10/4/2018	<0.08	
3/28/2019	<0.08	
9/12/2019	<0.08	
3/19/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		<0.08



# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	0.824	
6/16/2016	0.8 (J)	
8/11/2016	0.97	
10/13/2016	0.94	
12/6/2016	1	
2/13/2017	0.97	
4/11/2017	0.88	
6/24/2017	0.87	
10/11/2017	1.1	
3/26/2018	0.91	
10/4/2018	0.92	
3/28/2019	0.97	
9/12/2019	0.94	
3/19/2020	1	
9/11/2020	0.97	
4/6/2021		0.97

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	9.27	
6/14/2016	8.2	
8/10/2016	6.9	
10/11/2016	7.6	
12/2/2016	7.4	
2/10/2017	11	
4/10/2017	9.7	
6/23/2017	9.2	
10/9/2017	9.4	
3/26/2018	9.3	
10/3/2018	7.8	
3/27/2019	9.5	
9/12/2019	8.8	
3/19/2020	11	
9/10/2020	8.2	
4/2/2021		9.2

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	8.6	
6/14/2016	6.8	
8/9/2016	6.2	
10/11/2016	6.2	
12/5/2016	5.5	
2/10/2017	7.8	
4/7/2017	7.3	
6/26/2017	6.8	
10/9/2017	5.8	
3/26/2018	8.7	
10/3/2018	6.1	
3/27/2019	7.1	
9/12/2019	6.1	
3/19/2020	9.7	
9/10/2020	5.9	
4/2/2021		9

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	38.4	
6/14/2016	32.9	
8/9/2016	29	
10/10/2016	33	
12/2/2016	33	
2/9/2017	42	
4/7/2017	35	
6/22/2017	38	
10/10/2017	40	
3/22/2018	39 (D)	
10/3/2018	41	
3/27/2019	39	
9/12/2019	36	
3/19/2020	45	
9/11/2020	30	
4/2/2021		29

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	6.57	
6/14/2016	5.5	
8/9/2016	4.6	
10/10/2016	5.3	
12/2/2016	5.1	
2/10/2017	5.8	
4/7/2017	5.2	
6/23/2017	5.7	
10/10/2017	5.8	
3/23/2018	6.6	
10/4/2018	5.4	
3/27/2019	6.1	
9/12/2019	5.7	
3/19/2020	6.7	
9/11/2020	5.5	
4/5/2021		7

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	10.7	
6/14/2016	11.3	
8/9/2016	9.6	
10/11/2016	11	
12/5/2016	10	
2/10/2017	11	
4/7/2017	10	
6/22/2017	11	
10/10/2017	11	
3/22/2018	11	
10/5/2018	11	
3/27/2019	11	
9/12/2019	12	
3/20/2020	12	
9/11/2020	11	
4/5/2021		13

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	12.6	
6/17/2016	12.4	
8/10/2016	11	
10/14/2016	13	
12/19/2016	11	
2/13/2017	13	
4/7/2017	12	
6/22/2017	13	
10/10/2017	13	
3/23/2018	13	
10/3/2018	12	
3/27/2019	13	
9/12/2019	13	
3/19/2020	14	
9/11/2020	12	
4/5/2021		13

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	15.3	
6/14/2016	14.2	
8/9/2016	13	
10/11/2016	14	
12/2/2016	13	
2/9/2017	14	
4/7/2017	14	
6/22/2017	14	
10/10/2017	15	
3/22/2018	14	
10/3/2018	14	
3/27/2019	15	
9/12/2019	14	
3/19/2020	15	
9/10/2020	14	
4/6/2021		16



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	9.7	
6/15/2016	9.5	
8/10/2016	8.5	
10/11/2016	9.3	
12/5/2016	9	
2/13/2017	9.2	
4/10/2017	9.2	
6/23/2017	9.8	
10/10/2017	10	
3/26/2018	11	
10/4/2018	10	
3/28/2019	11	
9/12/2019	12	
3/19/2020	16	
9/10/2020	15	
4/6/2021		17

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	7.04	
6/15/2016	7.4	
8/10/2016	6.7	
10/11/2016	6.9	
12/2/2016	6.5	
2/13/2017	7.9	
4/7/2017	6.5	
6/22/2017	6.8	
10/10/2017	7.3	
3/23/2018	7.5	
10/4/2018	6.7	
3/28/2019	7.2	
9/12/2019	7.5	
3/19/2020	7.9	
9/10/2020	7.5	
4/6/2021		7.7

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	6.9	
6/16/2016	7.6	
8/10/2016	5.7	
10/13/2016	6.7	
12/5/2016	6.4	
2/13/2017	6.2	
4/10/2017	6.2	
6/23/2017	6.6	
10/11/2017	6.9	
3/26/2018	7	
10/4/2018	6.4	
3/27/2019	7	
9/12/2019	7.1	
3/19/2020	7.1	
9/11/2020	7	
4/5/2021		8

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	12.8	
6/16/2016	14.3	
8/11/2016	11	
10/13/2016	13	
12/5/2016	12	
2/13/2017	13	
4/11/2017	13	
6/24/2017	13	
10/11/2017	15	
3/26/2018	15	
10/4/2018	14	
3/28/2019	15	
9/12/2019	17	
3/19/2020	19	
9/11/2020	18	
4/5/2021		21

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	17.5	
6/16/2016	18.4	
8/11/2016	13	
10/13/2016	15	
12/6/2016	15	
2/13/2017	16	
4/11/2017	17	
6/24/2017	17	
10/11/2017	19	
3/26/2018	19	
10/4/2018	17	
3/28/2019	18	
9/12/2019	18	
3/19/2020	19	
9/11/2020	19	
4/6/2021		19

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	3.034	
6/14/2016	3.1	
8/10/2016	2.7	
10/11/2016	2.7	
12/2/2016	2.5	
2/10/2017	3.4	
4/10/2017	3.6	
6/23/2017	3.2	
10/9/2017	3.5	
3/26/2018	3.8	
10/3/2018	4	
3/27/2019	2.9	
9/12/2019	3.4	
3/19/2020	3.9	
9/10/2020	3.7	
4/2/2021		3.7

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	2.1	
6/14/2016	4.2	
8/9/2016	5	
10/11/2016	3.8	
12/5/2016	3.6	
2/10/2017	2.2	
4/7/2017	2.2	
6/26/2017	3.4	
10/9/2017	3.4	
3/26/2018	1.9 (D)	
10/3/2018	2.9	
3/27/2019	2	
9/12/2019	2.5	
3/19/2020	2.2	
9/10/2020	2.5	
4/2/2021		1.8

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	8.05	
6/14/2016	9.3	
8/9/2016	10	
10/10/2016	10	
12/2/2016	10	
2/9/2017	9.4	
4/7/2017	9.9	
6/22/2017	9.7	
10/10/2017	9.8	
3/22/2018	9.7 (D)	
10/3/2018	10	
3/27/2019	9.6	
9/12/2019	10	
3/19/2020	9.9	
9/11/2020	12	
4/2/2021		13



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	2.914	
6/14/2016	3.1	
8/9/2016	3.2	
10/10/2016	3	
12/2/2016	3	
2/10/2017	2.7	
4/7/2017	2.9	
6/23/2017	3.3	
10/10/2017	3.5	
3/23/2018	3.6	
10/4/2018	3.9	
3/27/2019	3.7	
9/12/2019	4.3	
3/19/2020	4.5	
9/11/2020	4.7	
4/5/2021		5.3

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	1.57	
6/14/2016	1.7	
8/9/2016	1.5	
10/11/2016	1.6	
12/5/2016	1.5	
2/10/2017	1.5	
4/7/2017	1.4	
6/22/2017	1.4	
10/10/2017	1.4	
3/22/2018	1.3	
10/5/2018	1.4	
3/27/2019	1.2	
9/12/2019	1.4	
3/20/2020	1.7	
9/11/2020	1.6	
4/5/2021		1.8

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	1.842	
6/17/2016	1.9	
8/10/2016	1.8	
10/14/2016	1.7	
12/19/2016	2.7 (O)	
2/13/2017	1.8	
4/7/2017	1.7	
6/22/2017	1.7	
10/10/2017	1.6	
3/23/2018	1.6	
10/3/2018	1.6	
3/27/2019	1.5	
9/12/2019	1.7	
3/19/2020	1.9	
9/11/2020	1.8	
4/5/2021		2

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	2.285	
6/14/2016	2.3	
8/9/2016	2.3	
10/11/2016	2.1	
12/2/2016	2	
2/9/2017	2.1	
4/7/2017	2	
6/22/2017	2	
10/10/2017	2	
3/22/2018	1.9	
10/3/2018	2	
3/27/2019	1.9	
9/12/2019	1.9	
3/19/2020	2.2	
9/10/2020	2.1	
4/6/2021		2.1

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	1.57 (O)	
6/15/2016	3.9	
8/10/2016	4	
10/11/2016	3.7	
12/5/2016	3.6	
2/13/2017	3.4	
4/10/2017	3.5	
6/23/2017	3.4	
10/10/2017	3.3	
3/26/2018	3.1	
10/4/2018	3.1	
3/28/2019	2.8	
9/12/2019	3	
3/19/2020	3.4	
9/10/2020	3.3	
4/6/2021		3.3

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	2.09	
6/15/2016	2.1	
8/10/2016	2	
10/11/2016	1.9	
12/2/2016	1.9	
2/13/2017	1.9	
4/7/2017	2	
6/22/2017	1.9	
10/10/2017	1.9	
3/23/2018	1.9	
10/4/2018	1.9	
3/28/2019	1.8	
9/12/2019	1.8	
3/19/2020	2.1	
9/10/2020	2.1	
4/6/2021		1.9

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	2.09 (O)	
6/16/2016	6.3	
8/10/2016	6.9	
10/13/2016	6.5	
12/5/2016	6.6	
2/13/2017	6.7	
4/10/2017	6.7	
6/23/2017	6.6	
10/11/2017	6.5	
3/26/2018	6.6	
10/4/2018	6.9	
3/27/2019	7	
9/12/2019	6.8	
3/19/2020	7.3	
9/11/2020	7.7	
4/5/2021		7.8

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.25 (O)	
6/16/2016	7.4	
8/11/2016	8.3	
10/13/2016	7.8	
12/5/2016	8.1	
2/13/2017	8	
4/11/2017	7.6	
6/24/2017	8.3	
10/11/2017	7.9	
3/26/2018	7.8	
10/4/2018	8.1	
3/28/2019	7.5	
9/12/2019	7.7	
3/19/2020	8.2	
9/11/2020	7.9	
4/5/2021		8.2



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	10.065	
6/16/2016	9.4	
8/11/2016	10	
10/13/2016	9.9	
12/6/2016	10	
2/13/2017	10	
4/11/2017	10	
6/24/2017	10	
10/11/2017	10	
3/26/2018	11	
10/4/2018	12	
3/28/2019	12	
9/12/2019	11	
3/19/2020	13	
9/11/2020	12	
4/6/2021		13

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	0.035 (J)	
6/14/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/10/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.035 (J)	
9/12/2019	0.04 (J)	
3/19/2020	0.059 (J)	
9/10/2020	0.044 (J)	
4/2/2021		0.028 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<0.082	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/10/2017	<0.082	
4/7/2017	<0.082	
6/26/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082 (D)	
10/3/2018	<0.082	
3/27/2019	0.036 (J)	
9/12/2019	0.043 (J)	
3/19/2020	0.054 (J)	
9/10/2020	0.034 (J)	
4/2/2021		0.032 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	0.035 (J)	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/10/2016	<0.1	
12/2/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1 (D)	
10/3/2018	<0.1	
3/27/2019	<0.1	
9/12/2019	0.026 (J)	
3/19/2020	0.041 (J)	
9/11/2020	<0.1	
4/2/2021		<0.1

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	0.024 (J)	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/10/2016	<0.1	
12/2/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/23/2017	<0.1	
10/10/2017	<0.1	
3/23/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	0.033 (J)	
9/12/2019	<0.1	
3/19/2020	<0.1	
9/11/2020	<0.1	
4/5/2021		0.039 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.1	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/11/2016	<0.1	
12/5/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1	
10/5/2018	<0.1	
3/27/2019	0.041 (J)	
9/12/2019	0.041 (J)	
3/20/2020	<0.1	
9/11/2020	0.034 (J)	
4/5/2021		0.038 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	0.044 (J)	
6/17/2016	<0.082	
8/10/2016	<0.082	
10/14/2016	<0.082	
12/19/2016	0.1 (J)	
2/13/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/23/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.04 (J)	
9/12/2019	0.044 (J)	
3/19/2020	0.049 (J)	
9/11/2020	0.035 (J)	
4/5/2021		0.031 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	0.041 (J)	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/9/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.037 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.044 (J)	
9/10/2020	0.036 (J)	
4/6/2021		0.03 (J)



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	0.033 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/10/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019	0.033 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.042 (J)	
9/10/2020	0.04 (J)	
4/6/2021		0.031 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	0.027 (J)	
6/15/2016	<0.1	
8/10/2016	<0.1	
10/11/2016	<0.1	
12/2/2016	<0.1	
2/13/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/23/2018	<0.1	
10/4/2018	<0.1	
3/28/2019	0.042 (J)	
9/12/2019	0.028 (J)	
3/19/2020	0.039 (J)	
9/10/2020	<0.1	
4/6/2021		<0.1

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	0.027 (J)	
6/16/2016	<0.1	
8/10/2016	<0.1	
10/13/2016	<0.1	
12/5/2016	<0.1	
2/13/2017	<0.1	
4/10/2017	<0.1	
6/23/2017	<0.1	
10/11/2017	<0.1	
3/26/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	<0.1	
9/12/2019	0.028 (J)	
3/19/2020	0.037 (J)	
9/11/2020	0.049 (J)	
4/5/2021		<0.1

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.082	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/13/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/11/2017	<0.082	
6/24/2017	<0.082	
10/11/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019	0.039 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.053 (J)	
9/11/2020	0.041 (J)	
4/5/2021		0.05 (J)

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
11/8/2014	5.89	
11/13/2015	5.65	
4/6/2016	5.9 (D)	
6/14/2016	5.75	
8/10/2016	5.75	
10/11/2016	5.8	
12/2/2016	5.78	
2/10/2017	5.83	
4/10/2017	5.74	
6/26/2017	5.83	
10/9/2017	5.61	
3/26/2018	5.76	
10/3/2018	5.78	
3/27/2019	5.97	
9/12/2019	5.83	
3/19/2020	5.81	
9/10/2020	5.83	
4/2/2021		6.06

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
11/8/2014	5.92	
5/21/2015	5.97	
11/13/2015	5.8	
4/8/2016	6.12	
6/14/2016	5.84	
8/9/2016	5.75	
10/11/2016	5.84	
12/5/2016	5.7	
2/10/2017	6.17	
4/7/2017	5.99	
6/26/2017	5.87	
10/9/2017	5.52	
3/26/2018	6.06	
10/3/2018	5.83	
3/27/2019	6.04	
9/12/2019	5.87	
3/19/2020	6.14	
9/10/2020	5.78	
4/2/2021		6.03

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
11/7/2014	6.26	
11/13/2015	6.02	
4/7/2016	6.48	
6/14/2016	6.05	
8/9/2016	6.05	
10/10/2016	6.02	
12/2/2016	5.95	
2/9/2017	6.24	
4/7/2017	5.95	
6/22/2017	6.02	
10/10/2017	6	
3/22/2018	6.2	
10/3/2018	6.03	
3/27/2019	6.31	
9/13/2019	5.96	
3/19/2020	6.46	
9/11/2020	5.98	
4/2/2021		5.92

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
11/7/2014	5.92	
11/13/2015	5.78	
4/7/2016	6.83	
6/14/2016	5.82	
8/1/2016	5.78	
10/10/2016	5.78	
12/2/2016	5.71	
2/10/2017	5.79	
4/7/2017	5.93	
6/23/2017	5.77	
10/10/2017	5.81	
3/23/2018	5.89	
10/4/2018	5.86	
3/27/2019	5.95	
9/12/2019	5.83	
3/19/2020	5.93	
9/11/2020	6.02	
4/5/2021		5.92
6/1/2021		5.8



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
11/7/2014	6.54	
11/12/2015	6.43	
4/7/2016	6.45 (D)	
4/8/2016	6.45	
6/14/2016	6.4	
8/9/2016	6.43	
10/11/2016	6.34	
12/5/2016	6.46	
2/10/2017	6.33	
4/7/2017	6.38	
6/22/2017	6.45	
10/10/2017	6.44	
3/22/2018	6.46	
10/5/2018	6.47	
3/27/2019	6.52	
9/12/2019	6.49	
3/19/2020	6.39	
3/20/2020	6.39	
9/11/2020	6.59	
4/5/2021		6.59
6/1/2021		6.46

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
11/7/2014	6.91	
11/12/2015	6.81	
4/7/2016	6.74	
6/17/2016	6.78	
8/10/2016	6.73	
10/14/2016	6.7	
12/5/2016	6.71	
2/13/2017	6.56	
4/7/2017	6.62	
6/22/2017	6.76	
10/10/2017	6.7	
3/23/2018	6.92	
10/3/2018	6.81	
3/27/2019	6.86	
9/12/2019	6.78	
3/19/2020	6.73	
9/11/2020	6.76	
4/5/2021		6.78
6/1/2021		6.78

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
11/7/2014	6.99	
11/12/2015	7	
4/7/2016	6.85	
6/14/2016	6.83	
8/9/2016	6.77	
10/11/2016	6.83	
12/2/2016	6.79	
2/9/2017	6.65	
4/7/2017	6.75	
6/22/2017	6.85	
10/10/2017	6.84	
3/22/2018	7	
10/3/2018	6.93	
3/27/2019	6.91	
9/12/2019	6.82	
3/19/2020	6.87	
9/10/2020	6.91	
4/6/2021		6.87

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
5/22/2015	5.8	
11/13/2015	5.87	
4/11/2016	5.84	
6/15/2016	5.82	
8/10/2016	5.82	
10/11/2016	5.78	
12/5/2016	5.72	
2/13/2017	5.81	
4/10/2017	5.75	
6/23/2017	5.78	
10/10/2017	5.82	
3/26/2018	5.91	
10/4/2018	5.83	
3/28/2019	5.95	
9/12/2019	5.98	
3/19/2020	5.97	
9/10/2020	6.09	
4/6/2021		6.3

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
11/8/2014	5.94	
5/22/2015	5.79	
11/13/2015	5.92	
4/11/2016	5.82	
6/15/2016	5.85	
8/10/2016	5.85	
10/11/2016	5.76	
12/2/2016	5.76	
2/13/2017	5.8	
4/7/2017	5.75	
6/22/2017	5.83	
10/10/2017	5.76	
3/23/2018	5.98	
10/4/2018	5.85	
3/28/2019	5.71	
9/13/2019	5.78	
3/19/2020	5.78	
9/10/2020	5.78	
4/6/2021		5.76

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
11/7/2014	5.95	
5/22/2015	5.84	
5/25/2015	8.36 (o)	
11/13/2015	5.82	
4/11/2016	5.88	
6/16/2016	5.85	
8/10/2016	5.83	
10/13/2016	5.84	
12/5/2016	5.81	
2/13/2017	5.76	
4/10/2017	5.78	
6/23/2017	5.82	
10/11/2017	5.83	
3/26/2018	5.98	
10/4/2018	5.85	
3/27/2019	5.94	
9/12/2019	5.86	
3/19/2020	5.9	
9/11/2020	5.84	
4/5/2021		5.99
6/2/2021		5.87

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
11/7/2014	6.75	
5/22/2015	6.65	
5/25/2015	7.63 (o)	
11/13/2015	6.77	
4/11/2016	6.64	
6/16/2016	6.6	
8/11/2016	6.61	
10/13/2016	6.64	
12/5/2016	6.63	
2/13/2017	6.59	
4/11/2017	6.53	
6/26/2017	6.6	
10/11/2017	6.61	
3/26/2018	6.77	
10/4/2018	6.67	
3/28/2019	6.71	
9/12/2019	6.68	
3/19/2020	6.64	
9/11/2020	6.64	
4/5/2021		6.68
6/2/2021		6.6

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
11/7/2014	5.67	
5/25/2015	7.725 (oD)	
11/13/2015	5.52	
4/8/2016	5.63	
6/16/2016	5.56	
8/11/2016	5.56	
10/13/2016	5.61	
12/6/2016	5.48	
2/13/2017	5.57	
4/11/2017	5.52	
6/26/2017	5.56	
10/11/2017	5.51	
3/26/2018	5.78	
10/4/2018	5.56	
3/28/2019	5.67	
9/13/2019	5.55	
3/19/2020	5.65	
9/11/2020	5.69	
4/6/2021		5.67



# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	0.813 (J)	
6/14/2016	<1.1	
8/10/2016	0.9 (J)	
10/11/2016	0.99 (J)	
12/2/2016	0.99 (J)	
2/10/2017	1.4	
4/10/2017	1.6	
6/23/2017	1.8	
10/9/2017	2.5	
3/26/2018	2.3	
10/3/2018	1.9	
3/27/2019	0.81 (J)	
9/12/2019	1.3	
3/19/2020	0.92 (J)	
9/10/2020	1.3	
4/2/2021		0.99 (J)

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<1	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/5/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/26/2017	<1	
10/9/2017	<1	
3/26/2018	<1 (D)	
10/3/2018	<1	
3/27/2019	<1	
9/12/2019	0.38 (J)	
3/19/2020	<1	
9/10/2020	<1	
4/2/2021		<1

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	107.095	
6/14/2016	160	
8/9/2016	130	
10/10/2016	140	
12/2/2016	150	
2/9/2017	150	
4/7/2017	140	
6/22/2017	160	
10/10/2017	160	
3/22/2018	150 (D)	
10/3/2018	140	
3/27/2019	140	
9/12/2019	170	
3/19/2020	150	
9/11/2020	170	
4/2/2021		180

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	0.594 (J)	
6/14/2016	<1	
8/9/2016	<1	
10/10/2016	<1	
12/2/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/23/2017	<1	
10/10/2017	<1	
3/23/2018	<1	
10/4/2018	<1	
3/27/2019	0.52 (J)	
9/12/2019	0.61 (J)	
3/19/2020	0.39 (J)	
9/11/2020	0.99 (J)	
4/5/2021		<1

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<1	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/5/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/22/2018	<1	
10/5/2018	<1	
3/27/2019	<1	
9/12/2019	0.4 (J)	
3/20/2020	0.58 (J)	
9/11/2020	0.39 (J)	
4/5/2021		<1

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	1.522	
6/17/2016	1.1	
8/10/2016	1.1	
10/14/2016	0.89 (J)	
12/19/2016	1.2	
2/13/2017	1.4	
4/7/2017	1.2	
6/22/2017	1.1	
10/10/2017	0.92 (J)	
3/23/2018	1.3	
10/3/2018	1.2	
3/27/2019	1.6	
9/12/2019	1.2	
3/19/2020	1.5	
9/11/2020	1.3	
4/5/2021		1.3

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	0.507 (J)	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/2/2016	<1	
2/9/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/22/2018	<1	
10/3/2018	<1	
3/27/2019	0.56 (J)	
9/12/2019	0.77 (J)	
3/19/2020	0.56 (J)	
9/10/2020	0.42 (J)	
4/6/2021		<1

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	2.15	
6/15/2016	<2.5	
8/10/2016	2.5	
10/11/2016	2.7	
12/5/2016	2.6	
2/13/2017	2.4	
4/10/2017	2.3	
6/23/2017	2.5	
10/10/2017	2.5	
3/26/2018	2.4	
10/4/2018	2.8	
3/28/2019	3.2	
9/12/2019	3.2	
3/19/2020	3.2	
9/10/2020	2.7	
4/6/2021		2.5



# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/11/2016	<1	
12/2/2016	<1	
2/13/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/23/2018	<1	
10/4/2018	<1	
3/28/2019	0.38 (J)	
9/12/2019	<1	
3/19/2020	<1	
9/10/2020	<1	
4/6/2021		<1

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	0.415 (J)	
6/16/2016	<0.7	
8/10/2016	<0.7	
10/13/2016	<0.7	
12/5/2016	<0.7	
2/13/2017	<0.7	
4/10/2017	<0.7	
6/23/2017	<0.7	
10/11/2017	<0.7	
3/26/2018	<0.7	
10/4/2018	<0.7	
3/27/2019	2.7	
9/12/2019	0.65 (J)	
3/19/2020	0.71 (J)	
9/11/2020	2.6	
4/5/2021		1.7

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<1	
6/16/2016	10	
8/11/2016	9.8	
10/13/2016	11	
12/5/2016	13	
2/13/2017	14	
4/11/2017	12	
6/24/2017	12	
10/11/2017	13	
3/26/2018	20	
10/4/2018	23	
3/28/2019		29
9/12/2019		34
3/19/2020		40
9/11/2020		39
4/5/2021		57

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	135.355	
6/16/2016	140	
8/11/2016	130	
10/13/2016	140	
12/6/2016	150	
2/13/2017	160	
4/11/2017	130	
6/24/2017	160	
10/11/2017	160	
3/26/2018	160	
10/4/2018	170	
3/28/2019	170	
9/12/2019	170	
3/19/2020	170	
9/11/2020	160	
4/6/2021		160

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	51	
6/14/2016	62	
8/10/2016	70	
10/11/2016	84	
12/2/2016	74	
2/10/2017	100	
4/10/2017	82	
6/23/2017	72	
10/9/2017	82	
3/26/2018	94	
10/3/2018	72	
3/27/2019	98	
9/12/2019	130	
3/19/2020	100	
9/10/2020	110	
4/2/2021		100

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	74	
6/14/2016	111	
8/9/2016	44	
10/11/2016	64	
12/5/2016	52	
2/10/2017	86	
4/7/2017	68	
6/26/2017	76	
10/9/2017	50	
3/26/2018	56	
10/3/2018	42	
3/27/2019	76	
9/12/2019	72	
3/19/2020	65	
9/10/2020	56	
4/2/2021		69

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	237	
6/14/2016	240	
8/9/2016	230	
10/10/2016	240	
12/2/2016	270	
2/9/2017	240	
4/7/2017	260	
6/22/2017	300	
10/10/2017	280	
3/22/2018	310	
10/3/2018	190	
3/27/2019	290	
9/12/2019	340	
3/19/2020	310	
9/11/2020	340	
4/2/2021		360

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	69	
6/14/2016	<25	
8/9/2016	40	
10/10/2016	34	
12/2/2016	50	
2/10/2017	60	
4/7/2017	70	
6/23/2017	42	
10/10/2017	34	
3/23/2018	52	
10/4/2018	48	
3/27/2019	66	
9/12/2019	97	
3/19/2020	51	
9/11/2020	51	
4/5/2021		46



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	89	
6/14/2016	55	
8/9/2016	90	
10/11/2016	86	
12/5/2016	74	
2/10/2017	100	
4/7/2017	92	
6/22/2017	64	
10/10/2017	68	
3/22/2018	92	
10/5/2018	90	
3/27/2019	94	
9/12/2019	88	
3/20/2020	99	
9/11/2020	110	
4/5/2021		63

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	100	
6/17/2016	69	
8/10/2016	110	
10/14/2016	100	
12/19/2016	100	
2/13/2017	80	
4/7/2017	86	
6/22/2017	72	
10/10/2017	70	
3/23/2018	86	
10/3/2018	88	
3/27/2019	100	
9/12/2019	110	
3/19/2020	97	
9/11/2020	120	
4/5/2021		99

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	114	
6/14/2016	56 (O)	
8/9/2016	100	
10/11/2016	110	
12/2/2016	94	
2/9/2017	100	
4/7/2017	100	
6/22/2017	110	
10/10/2017	100	
3/22/2018	100	
10/3/2018	96	
3/27/2019	120	
9/12/2019	120	
3/19/2020	110	
9/10/2020	130	
4/6/2021		110

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	88	
6/15/2016	114	
8/10/2016	82	
10/11/2016	92	
12/5/2016	86	
2/13/2017	62	
4/10/2017	60	
6/23/2017	74	
10/10/2017	86	
3/26/2018	58 (J)	
10/4/2018	130	
3/28/2019	88	
9/12/2019	110	
3/19/2020	110	
9/10/2020	120	
4/6/2021		110

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	79	
6/15/2016	79	
8/10/2016	72	
10/11/2016	76	
12/2/2016	60	
2/13/2017	58	
4/7/2017	68	
6/22/2017	16	
10/10/2017	44	
3/23/2018	96	
10/4/2018	110	
3/28/2019	65	
9/12/2019	89	
3/19/2020	64	
9/10/2020	82	
4/6/2021		49

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	88	
6/16/2016	74	
8/10/2016	66	
10/13/2016	72	
12/5/2016	70	
2/13/2017	12 (O)	
4/10/2017	80	
6/23/2017	66	
10/11/2017	56	
3/26/2018	72	
10/4/2018	96	
3/27/2019	76	
9/12/2019	110	
3/19/2020	66	
9/11/2020	87	
4/5/2021		66

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	103	
6/16/2016	117	
8/11/2016	94	
10/13/2016	110	
12/5/2016	130	
2/13/2017	92	
4/11/2017	120	
6/24/2017	120	
10/11/2017	120	
3/26/2018	98	
10/4/2018	190	
3/28/2019	140	
9/12/2019	160	
3/19/2020	160	
9/11/2020	170	
4/5/2021		170

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	237	
6/16/2016	231	
8/11/2016	190	
10/13/2016	230	
12/6/2016	260	
2/13/2017	230	
4/11/2017	210	
6/24/2017	250	
10/11/2017	280	
3/26/2018	240	
10/4/2018	320	
3/28/2019	280	
9/12/2019	300	
3/19/2020	270	
9/11/2020	290	
4/6/2021		250



FIGURE J.

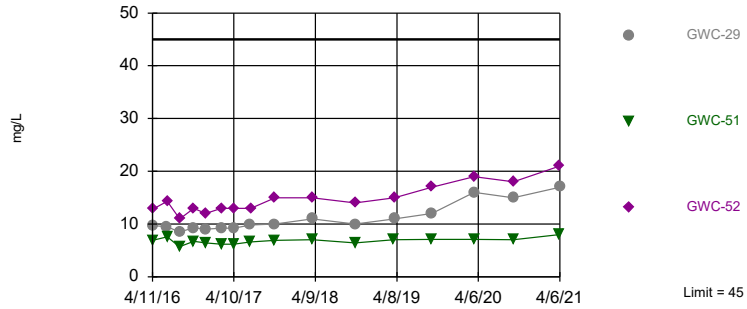
# Appendix III Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:09 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	45	n/a	4/6/2021	17	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	45	n/a	4/5/2021	8	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-52	45	n/a	4/5/2021	21	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-51	13	n/a	4/5/2021	7.8	No	111	n/a	n/a	0	n/a	n/a	0.0001613	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-29	7	5.52	4/6/2021	6.3	No	132	n/a	n/a	0	n/a	n/a	0.0002277	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-52	180	n/a	4/5/2021	57	No	112	n/a	n/a	45.54	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric

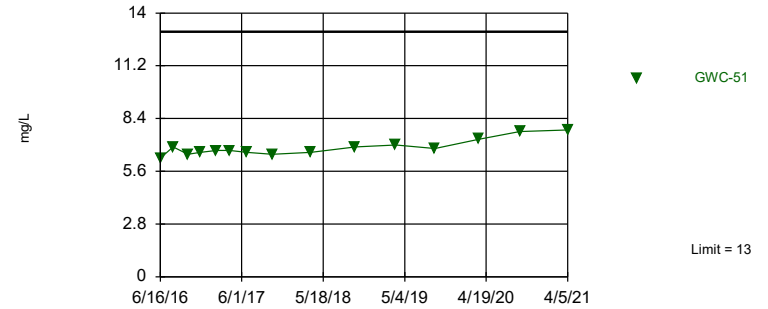


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. Annual per-constituent alpha = 0.001583. Individual comparison alpha = 0.0001584 (1 of 2). Comparing 3 points to limit. Assumes 2 future values.

Constituent: Calcium, total Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Interwell Non-parametric

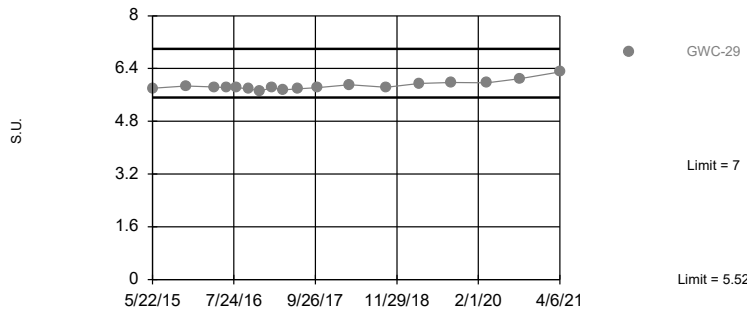


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 111 background values. Annual per-constituent alpha = 0.001612. Individual comparison alpha = 0.0001613 (1 of 2). Assumes 4 future values.

Constituent: Chloride, Total Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Interwell Non-parametric

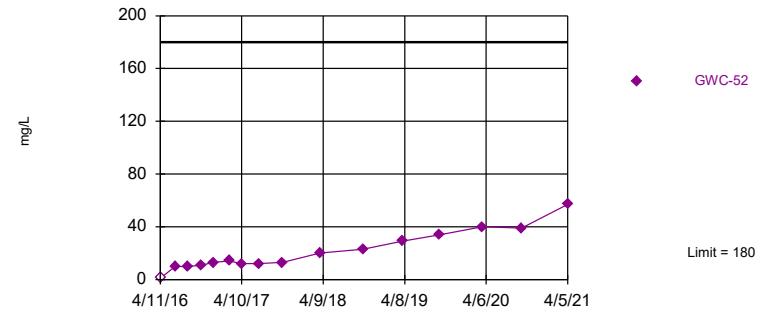


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 132 background values. Annual per-constituent alpha = 0.002276. Individual comparison alpha = 0.0002277 (1 of 2). Assumes 4 future values.

Constituent: pH Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. 45.54% NDs. Annual per-constituent alpha = 0.001583. Individual comparison alpha = 0.0001584 (1 of 2). Assumes 4 future values.

Constituent: Sulfate, total Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-49 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-47 (bg)	GWA-22 (bg)	GWC-51	GWC-29
4/6/2016	9.27								
4/7/2016		15.3	6.57	38.4	12.6				
4/8/2016						10.7	8.6		
4/11/2016								6.9	9.7
6/14/2016	8.2	14.2	5.5	32.9		11.3	6.8		
6/15/2016									9.5
6/16/2016								7.6	
6/17/2016					12.4				
8/9/2016		13	4.6	29		9.6	6.2		
8/10/2016	6.9				11			5.7	8.5
8/11/2016									
10/10/2016			5.3	33					
10/11/2016	7.6	14				11	6.2		9.3
10/13/2016								6.7	
10/14/2016					13				
12/2/2016	7.4	13	5.1	33					
12/5/2016						10	5.5	6.4	9
12/19/2016					11				
2/9/2017		14		42					
2/10/2017	11		5.8			11	7.8		
2/13/2017					13			6.2	9.2
4/7/2017		14	5.2	35	12	10	7.3		
4/10/2017	9.7							6.2	9.2
4/11/2017									
6/22/2017		14		38	13	11			
6/23/2017	9.2		5.7					6.6	9.8
6/24/2017									
6/26/2017							6.8		
10/9/2017	9.4						5.8		
10/10/2017		15	5.8	40	13	11			10
10/11/2017								6.9	
3/22/2018		14		39 (D)		11			
3/23/2018			6.6		13				
3/26/2018	9.3						8.7	7	11
10/3/2018	7.8	14		41	12		6.1		
10/4/2018			5.4					6.4	10
10/5/2018						11			
3/27/2019	9.5	15	6.1	39	13	11	7.1	7	
3/28/2019									11
9/12/2019	8.8	14	5.7	36	13	12	6.1	7.1	12
3/19/2020	11	15	6.7	45	14		9.7	7.1	16
3/20/2020						12			
9/10/2020	8.2	14					5.9		15
9/11/2020			5.5	30	12	11		7	
4/2/2021	9.2			29			9		
4/5/2021			7		13	13		8	
4/6/2021		16							17

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

GWC-52

4/6/2016	
4/7/2016	
4/8/2016	
4/11/2016	12.8
6/14/2016	
6/15/2016	
6/16/2016	14.3
6/17/2016	
8/9/2016	
8/10/2016	
8/11/2016	11
10/10/2016	
10/11/2016	
10/13/2016	13
10/14/2016	
12/2/2016	
12/5/2016	12
12/19/2016	
2/9/2017	
2/10/2017	
2/13/2017	13
4/7/2017	
4/10/2017	
4/11/2017	13
6/22/2017	
6/23/2017	
6/24/2017	13
6/26/2017	
10/9/2017	
10/10/2017	
10/11/2017	15
3/22/2018	
3/23/2018	
3/26/2018	15
10/3/2018	
10/4/2018	14
10/5/2018	
3/27/2019	
3/28/2019	15
9/12/2019	17
3/19/2020	19
3/20/2020	
9/10/2020	
9/11/2020	18
4/2/2021	
4/5/2021	21
4/6/2021	

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-46 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWA-45 (bg)	GWA-22 (bg)	GWA-47 (bg)	GWC-51
4/6/2016	3.034							
4/7/2016		2.914	1.842	2.285	8.05			
4/8/2016						2.1	1.57	
4/11/2016								2.09 (O)
6/14/2016	3.1	3.1		2.3	9.3	4.2	1.7	
6/16/2016								6.3
6/17/2016			1.9					
8/9/2016		3.2		2.3	10	5	1.5	
8/10/2016	2.7		1.8					6.9
10/10/2016		3			10			
10/11/2016	2.7			2.1		3.8	1.6	
10/13/2016								6.5
10/14/2016			1.7					
12/2/2016	2.5	3		2	10			
12/5/2016						3.6	1.5	6.6
12/19/2016			2.7 (O)					
2/9/2017				2.1	9.4			
2/10/2017	3.4	2.7				2.2	1.5	
2/13/2017			1.8					6.7
4/7/2017		2.9	1.7	2	9.9	2.2	1.4	
4/10/2017	3.6							6.7
6/22/2017			1.7	2	9.7		1.4	
6/23/2017	3.2	3.3						6.6
6/26/2017						3.4		
10/9/2017	3.5					3.4		
10/10/2017		3.5	1.6	2	9.8		1.4	
10/11/2017								6.5
3/22/2018				1.9	9.7 (D)		1.3	
3/23/2018		3.6	1.6					
3/26/2018	3.8					1.9 (D)		6.6
10/3/2018	4		1.6	2	10	2.9		
10/4/2018		3.9						6.9
10/5/2018							1.4	
3/27/2019	2.9	3.7	1.5	1.9	9.6	2	1.2	7
9/12/2019	3.4	4.3	1.7	1.9	10	2.5	1.4	6.8
3/19/2020	3.9	4.5	1.9	2.2	9.9	2.2		7.3
3/20/2020							1.7	
9/10/2020	3.7			2.1		2.5		
9/11/2020		4.7	1.8		12		1.6	7.7
4/2/2021	3.7				13	1.8		
4/5/2021		5.3	2				1.8	7.8
4/6/2021				2.1				

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-22 (bg)	GWA-21 (bg)	GWC-29
11/7/2014	6.54	6.99	6.91	5.92	6.26			
11/8/2014						5.92	5.89	
5/21/2015						5.97		
5/22/2015								5.8
11/12/2015	6.43	7	6.81					
11/13/2015				5.78	6.02	5.8	5.65	5.87
4/6/2016							5.9 (D)	
4/7/2016	6.45 (D)	6.85	6.74	6.83	6.48			
4/8/2016	6.45					6.12		
4/11/2016								5.84
6/14/2016	6.4	6.83		5.82	6.05	5.84	5.75	
6/15/2016								5.82
6/17/2016			6.78					
8/1/2016				5.78				
8/9/2016	6.43	6.77			6.05	5.75		
8/10/2016			6.73				5.75	5.82
10/10/2016				5.78	6.02			
10/11/2016	6.34	6.83				5.84	5.8	5.78
10/14/2016			6.7					
12/2/2016		6.79		5.71	5.95		5.78	
12/5/2016	6.46		6.71			5.7		5.72
2/9/2017		6.65			6.24			
2/10/2017	6.33			5.79		6.17	5.83	
2/13/2017			6.56					5.81
4/7/2017	6.38	6.75	6.62	5.93	5.95	5.99		
4/10/2017							5.74	5.75
6/22/2017	6.45	6.85	6.76		6.02			
6/23/2017				5.77				5.78
6/26/2017						5.87	5.83	
10/9/2017						5.52	5.61	
10/10/2017	6.44	6.84	6.7	5.81	6			5.82
3/22/2018	6.46	7			6.2			
3/23/2018			6.92	5.89				
3/26/2018						6.06	5.76	5.91
10/3/2018		6.93	6.81		6.03	5.83	5.78	
10/4/2018				5.86				5.83
10/5/2018	6.47							
3/27/2019	6.52	6.91	6.86	5.95	6.31	6.04	5.97	
3/28/2019								5.95
9/12/2019	6.49	6.82	6.78	5.83		5.87	5.83	5.98
9/13/2019					5.96			
3/19/2020	6.39	6.87	6.73	5.93	6.46	6.14	5.81	5.97
3/20/2020	6.39							
9/10/2020		6.91				5.78	5.83	6.09
9/11/2020	6.59		6.76	6.02	5.98			
4/2/2021					5.92	6.03	6.06	
4/5/2021	6.59		6.78	5.92				
4/6/2021		6.87						6.3
6/1/2021	6.46		6.78	5.8				

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-46 (bg)	GWA-49 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-22 (bg)	GWA-47 (bg)	GWC-52
4/6/2016	0.813 (J)							
4/7/2016		0.594 (J)	0.507 (J)	107.095	1.522			
4/8/2016						<1	<1	
4/11/2016								<1
6/14/2016	<1	<1	<1	160		<1	<1	
6/16/2016								10
6/17/2016					1.1			
8/9/2016		<1	<1	130		<1	<1	
8/10/2016	0.9 (J)				1.1			
8/11/2016								9.8
10/10/2016		<1		140				
10/11/2016	0.99 (J)		<1			<1	<1	
10/13/2016								11
10/14/2016					0.89 (J)			
12/2/2016	0.99 (J)	<1	<1	150				
12/5/2016						<1	<1	13
12/19/2016					1.2			
2/9/2017			<1	150				
2/10/2017	1.4	<1				<1	<1	
2/13/2017					1.4			14
4/7/2017		<1	<1	140	1.2	<1	<1	
4/10/2017	1.6							
4/11/2017								12
6/22/2017			<1	160	1.1		<1	
6/23/2017	1.8	<1						
6/24/2017								12
6/26/2017						<1		
10/9/2017	2.5					<1		
10/10/2017		<1	<1	160	0.92 (J)		<1	
10/11/2017								13
3/22/2018			<1	150 (D)			<1	
3/23/2018		<1			1.3			
3/26/2018	2.3					<1 (D)		20
10/3/2018	1.9		<1	140	1.2	<1		
10/4/2018		<1						23
10/5/2018							<1	
3/27/2019	0.81 (J)	0.52 (J)	0.56 (J)	140	1.6	<1	<1	
3/28/2019								29
9/12/2019	1.3	0.61 (J)	0.77 (J)	170	1.2	0.38 (J)	0.4 (J)	34
3/19/2020	0.92 (J)	0.39 (J)	0.56 (J)	150	1.5	<1		40
3/20/2020							0.58 (J)	
9/10/2020	1.3		0.42 (J)			<1		
9/11/2020		0.99 (J)		170	1.3		0.39 (J)	39
4/2/2021	0.99 (J)			180		<1		
4/5/2021		<1			1.3		<1	57
4/6/2021			<1					



FIGURE K.

# Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

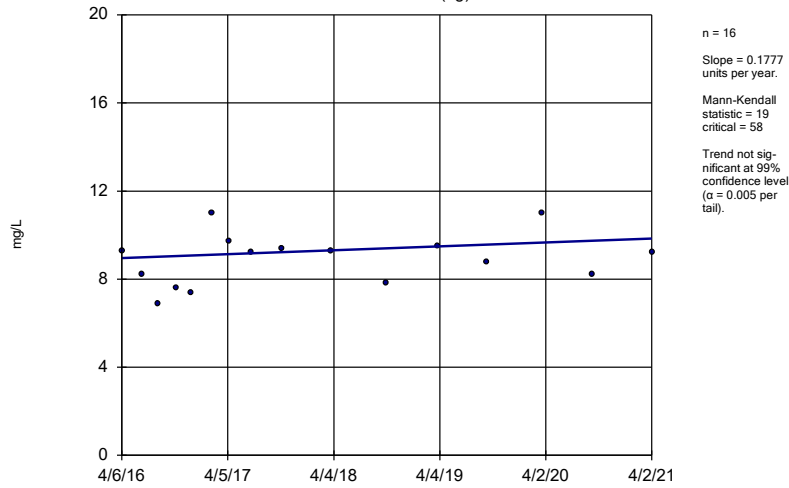
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	1.175	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.494	85	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4208	89	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.2129	63	53	Yes	15	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.04776	71	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	8.245	104	58	Yes	16	6.25	n/a	n/a	0.01	NP

# Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

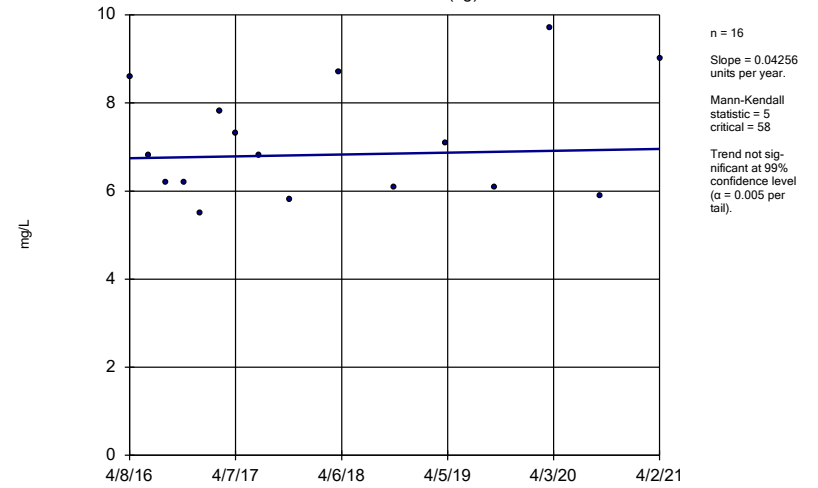
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.1777	19	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	0.04256	5	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	0.7613	17	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.2179	43	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.3066	52	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.04002	32	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	24	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>1.175</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	GWC-51	0.1708	49	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>1.494</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-21 (bg)	0.2105	57	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.4014	-51	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.2289	44	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4208</b>	<b>89</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-47 (bg)	-0.02794	-17	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.009475	-14	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.04407	-40	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.2129</b>	<b>63</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (S.U.)	GWA-21 (bg)	0.01885	37	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01022	11	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.0171	-32	-68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.01571	36	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.01187	49	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.005062	10	68	No	18	0	n/a	n/a	0.01	NP
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>0.04776</b>	<b>71</b>	<b>68</b>	<b>Yes</b>	<b>18</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	GWA-21 (bg)	0.07864	20	58	No	16	6.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-9	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	6.88	52	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-23	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	-34	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.03612	30	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	-26	-58	No	16	68.75	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>8.245</b>	<b>104</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>6.25</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

Sen's Slope Estimator  
GWA-21 (bg)



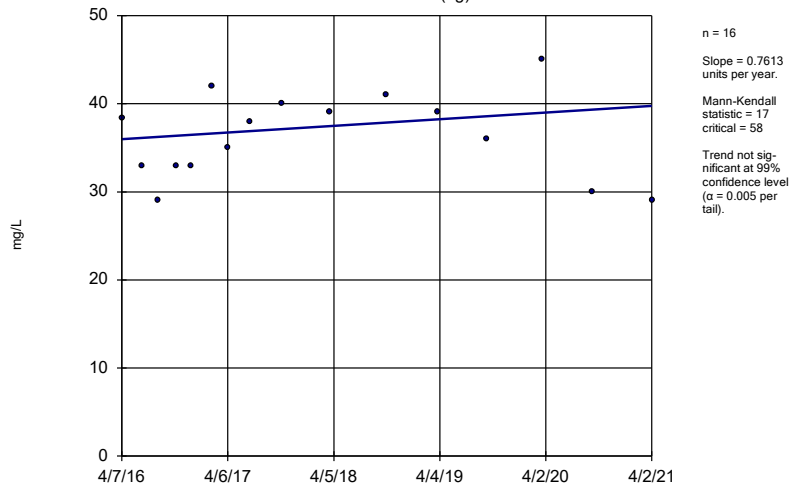
Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-22 (bg)



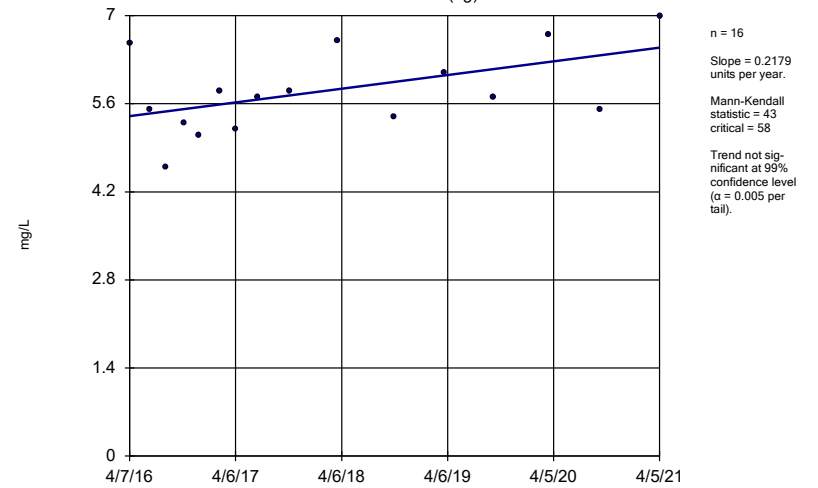
Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-45 (bg)



Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

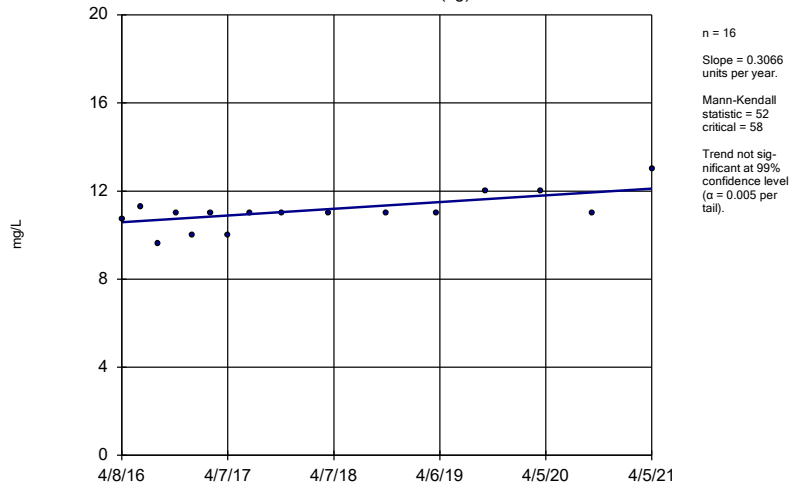
Sen's Slope Estimator  
GWA-46 (bg)



Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

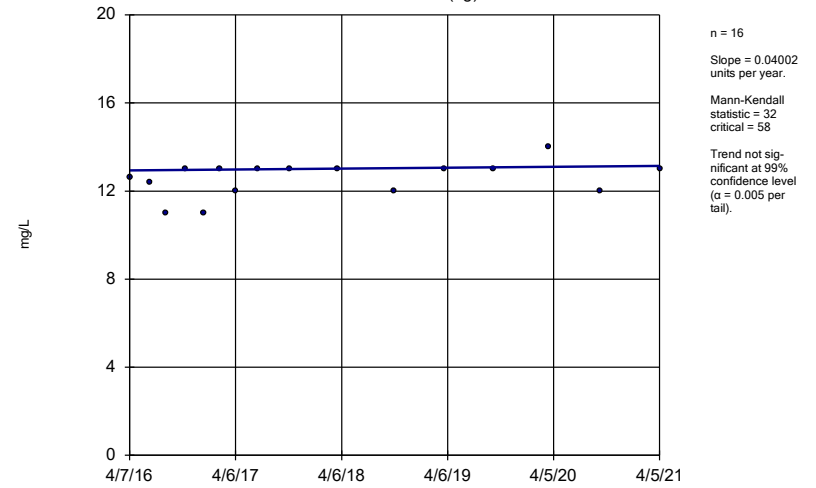
GWA-47 (bg)



Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

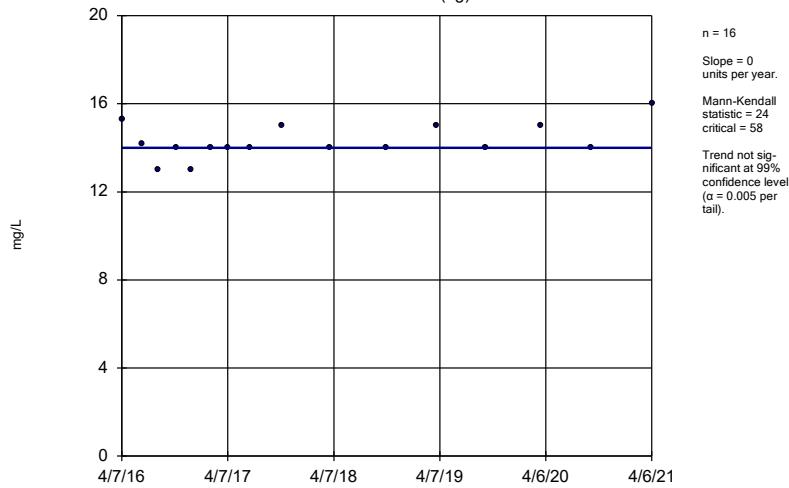
GWA-48 (bg)



Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

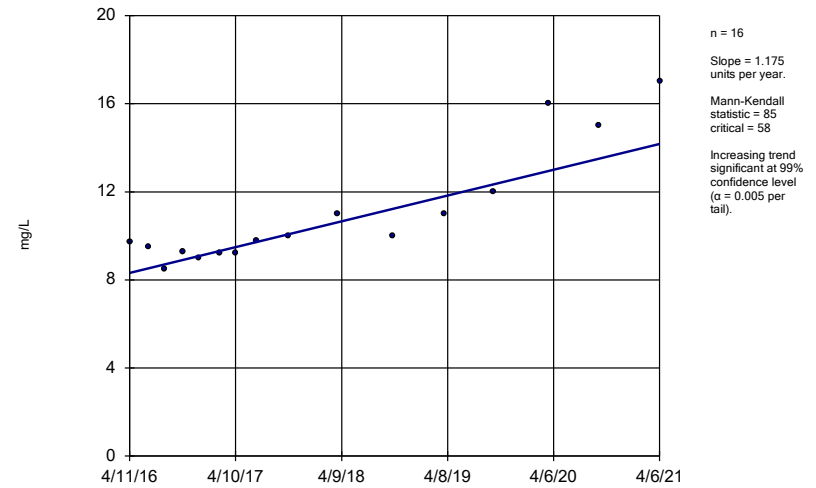
GWA-49 (bg)



Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

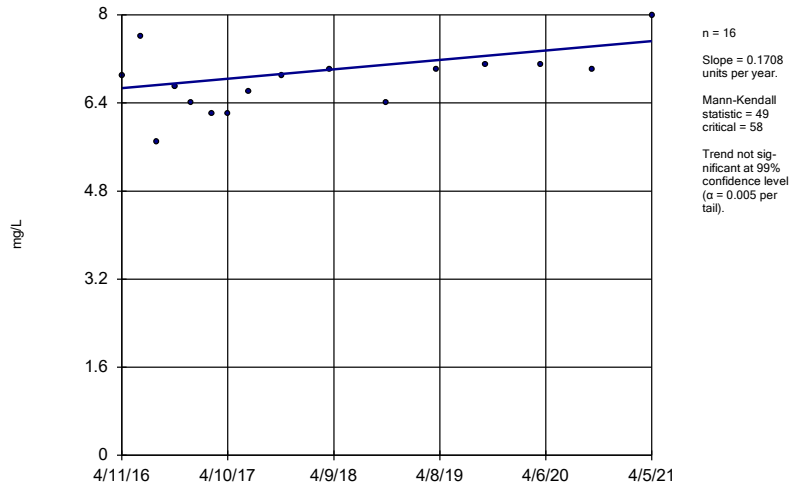
### Sen's Slope Estimator

GWC-29



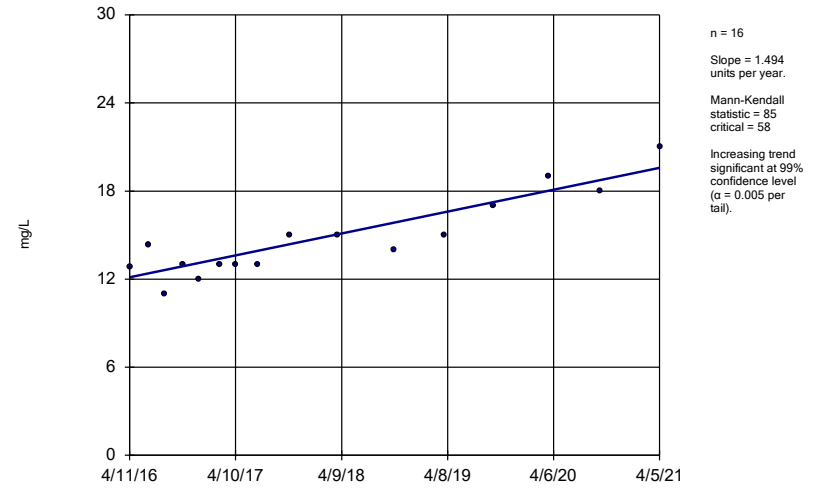
Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-51



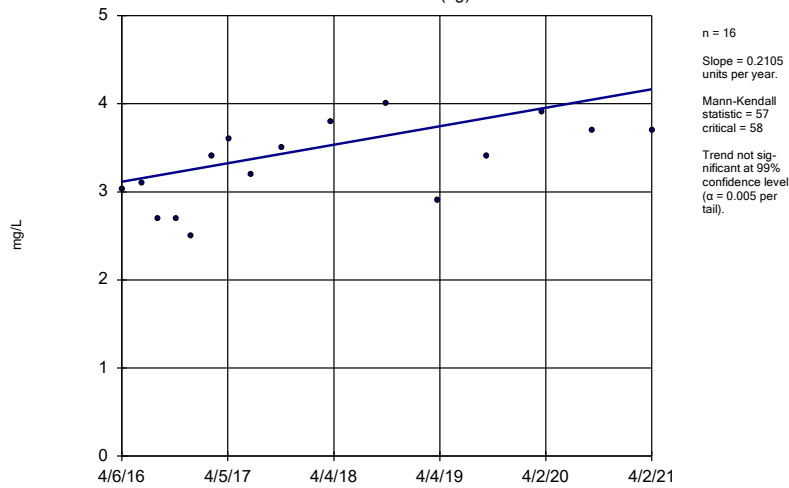
Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-52



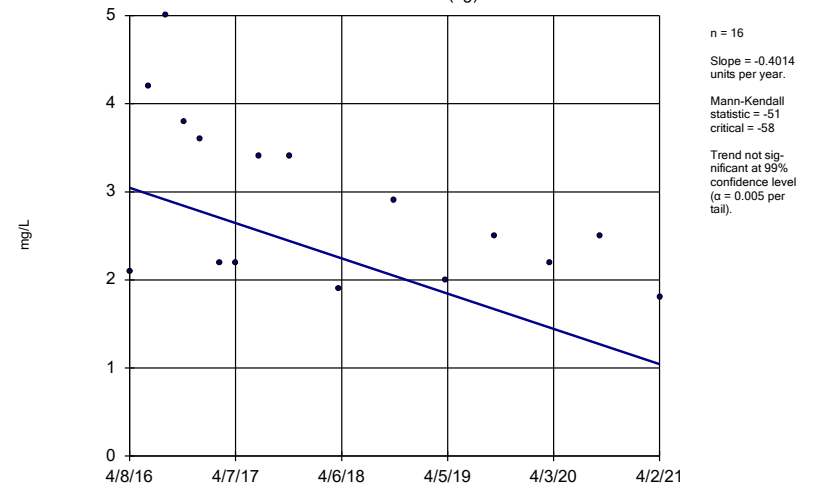
Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-21 (bg)



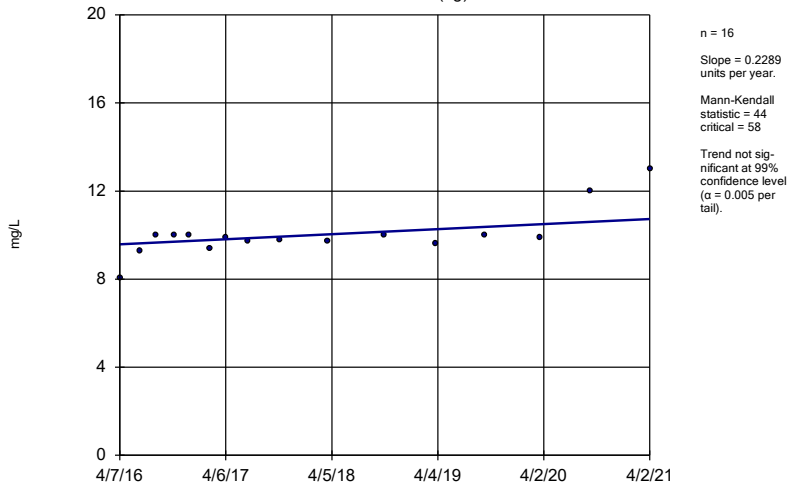
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-22 (bg)



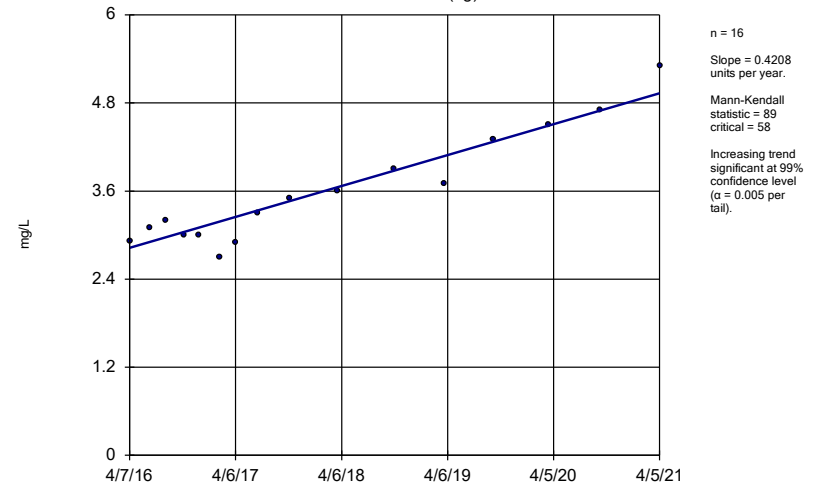
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-45 (bg)



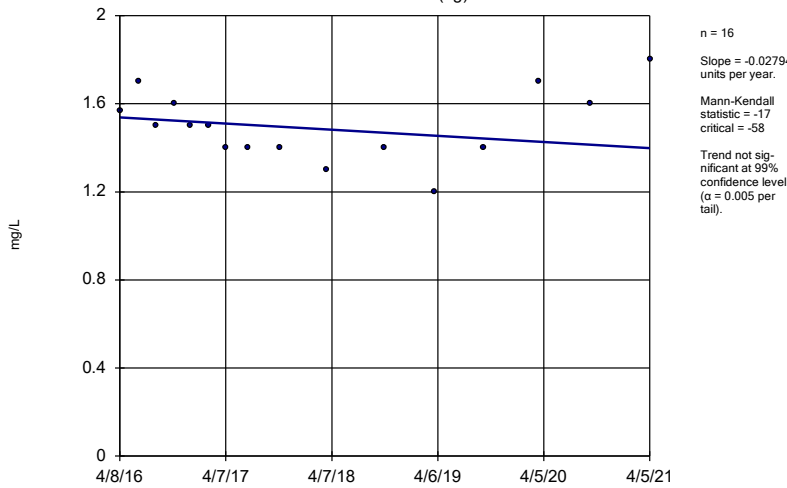
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-46 (bg)



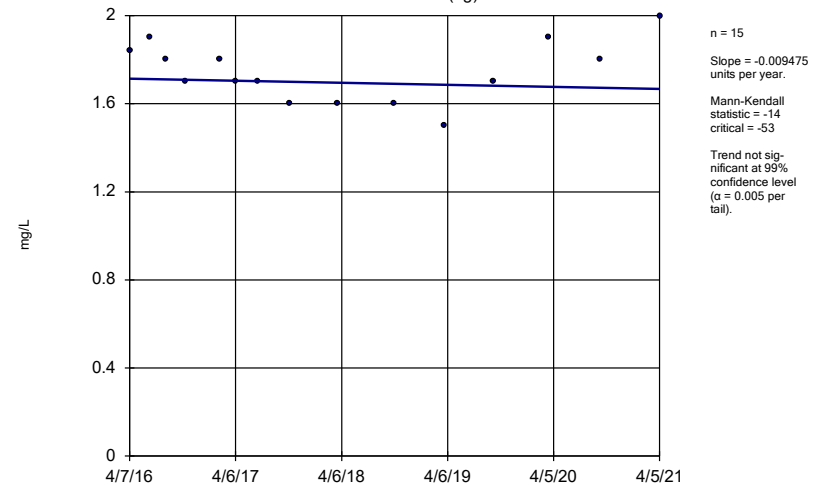
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-47 (bg)



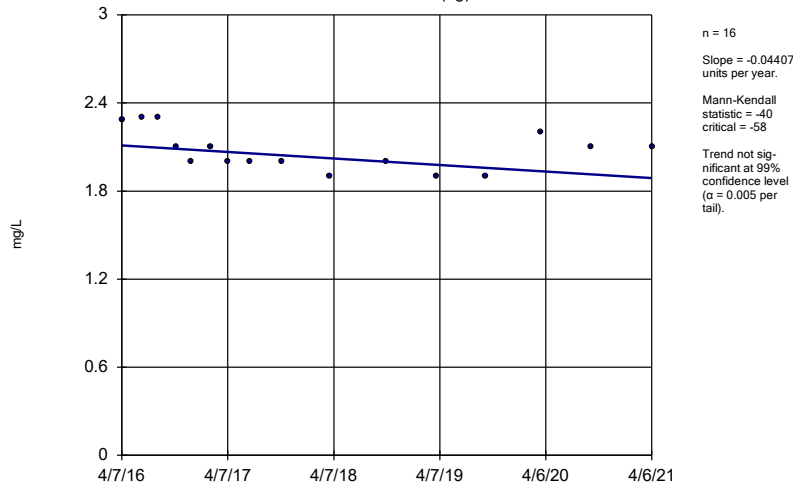
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-48 (bg)



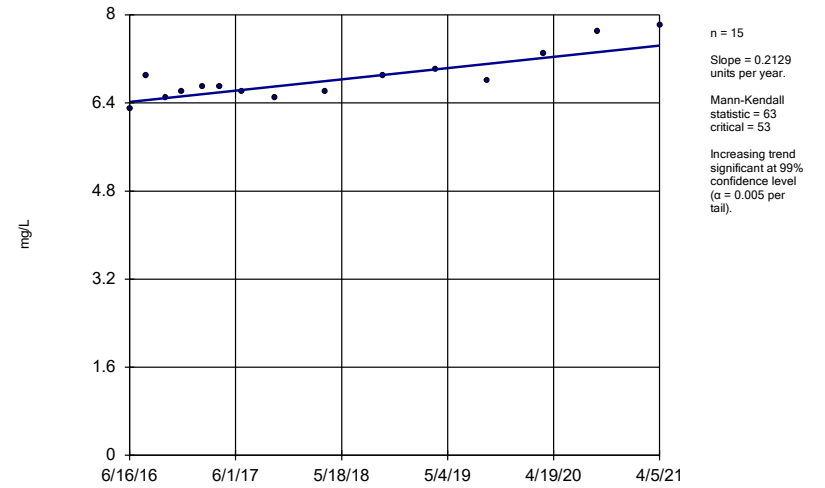
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-49 (bg)



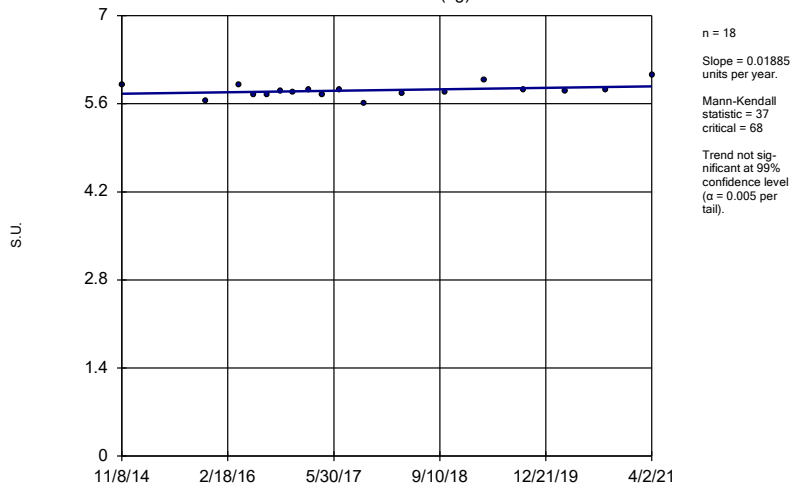
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-51



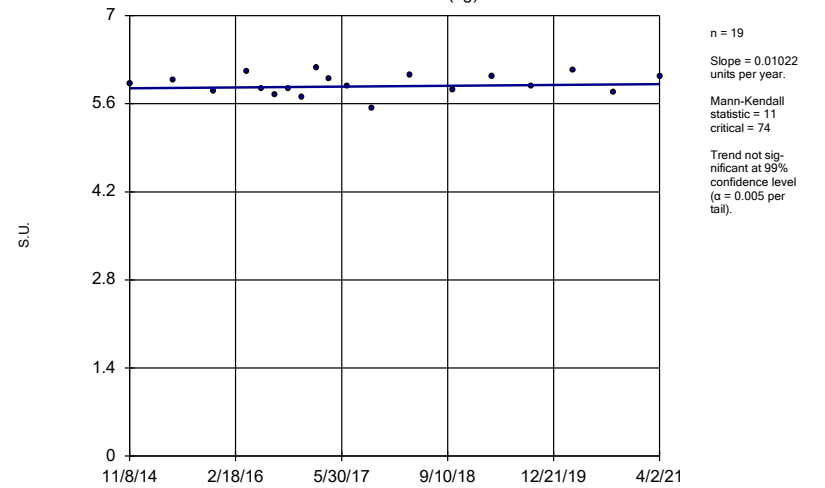
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-21 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

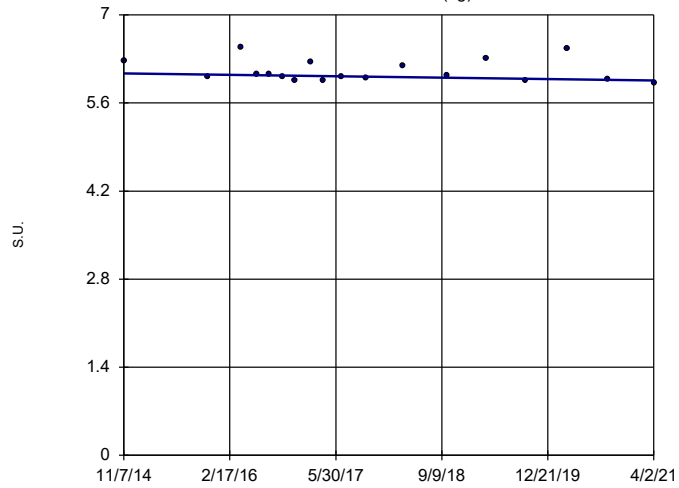
Sen's Slope Estimator  
GWA-22 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

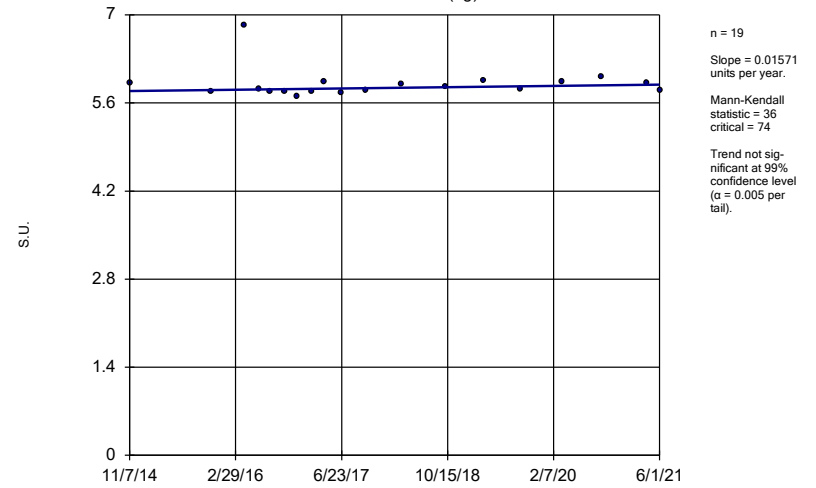


### Sen's Slope Estimator GWA-45 (bg)



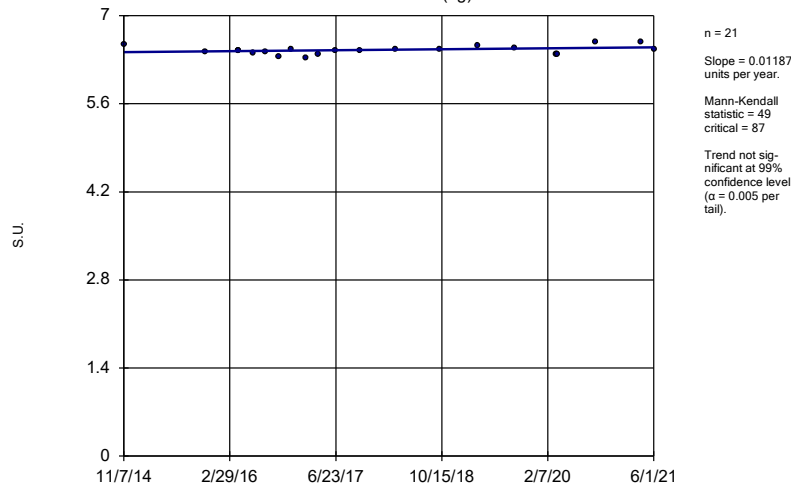
Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-46 (bg)



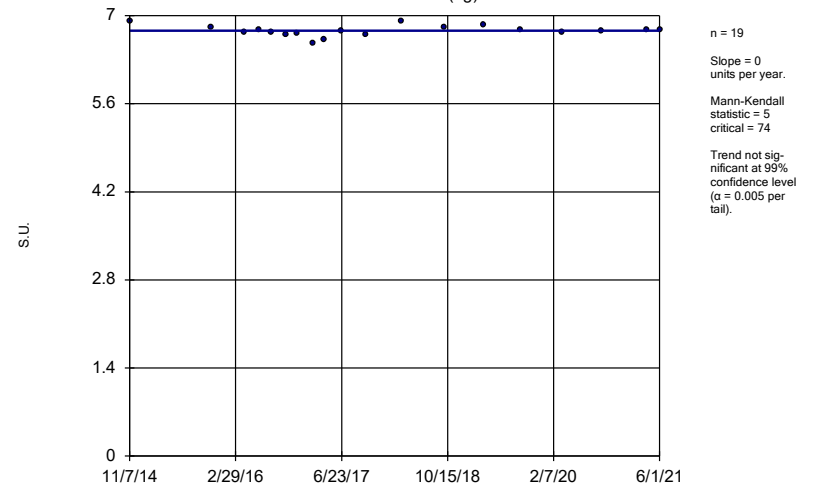
Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-47 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

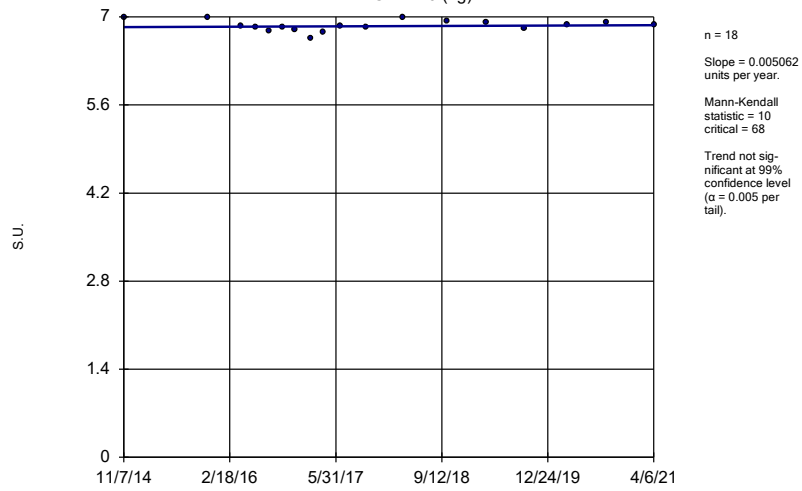
### Sen's Slope Estimator GWA-48 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

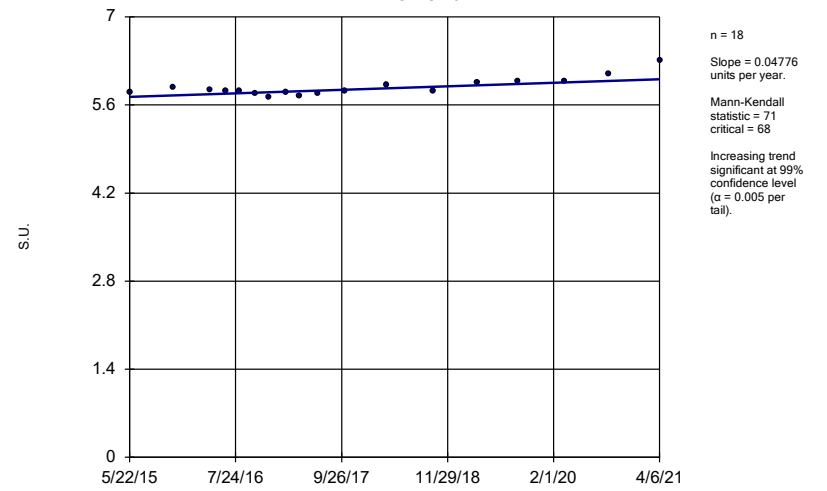
GWA-49 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

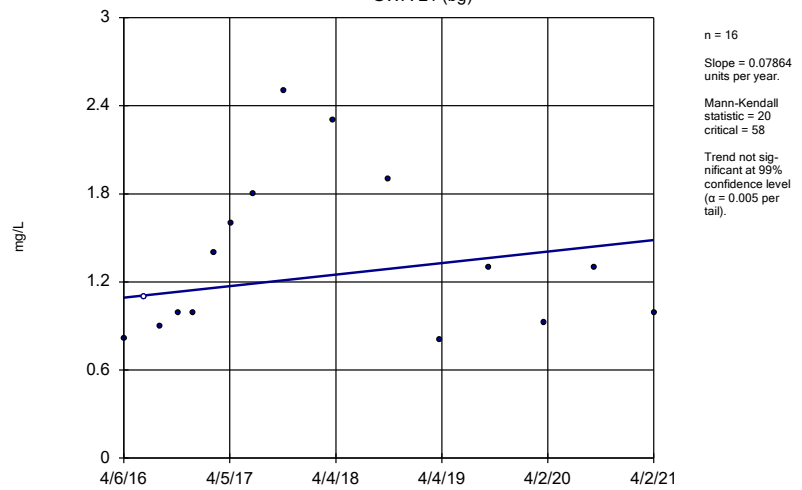
GWC-29



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

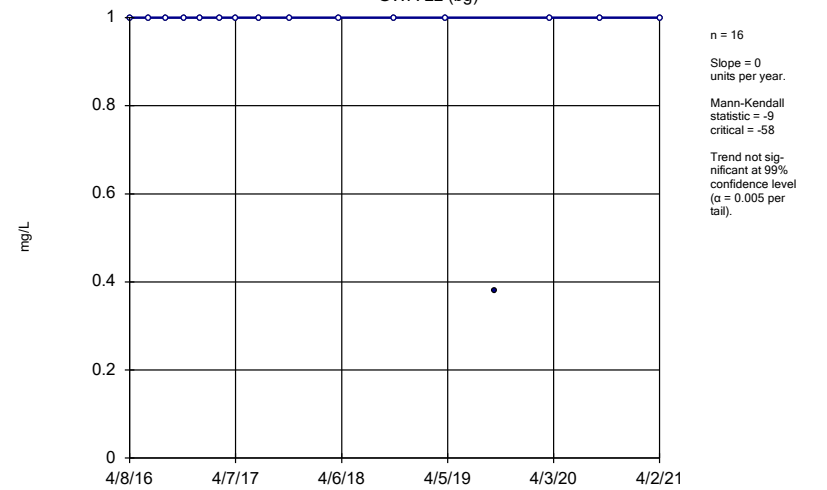
GWA-21 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

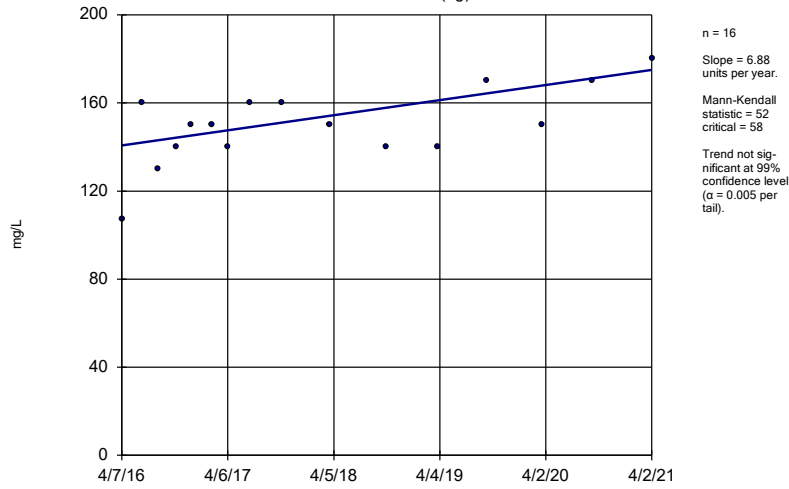
GWA-22 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-45 (bg)

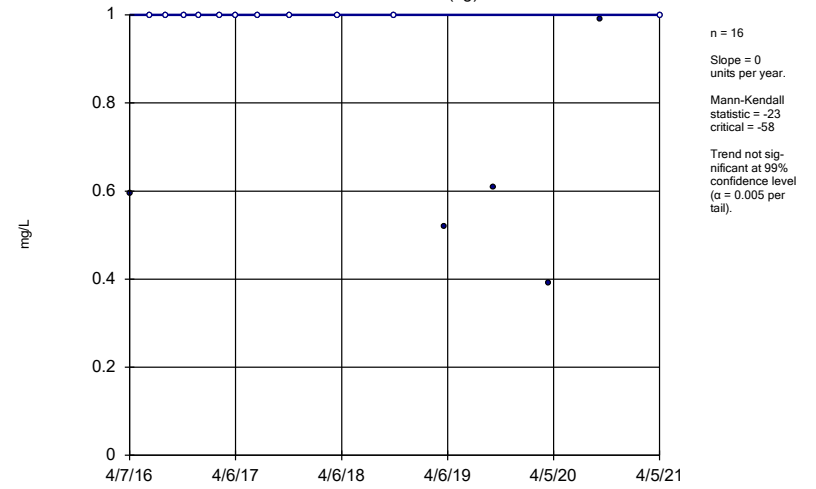


Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

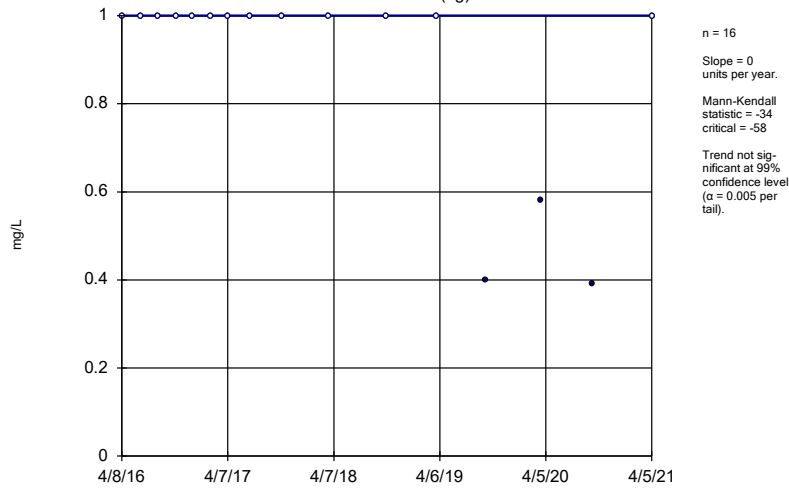
GWA-46 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

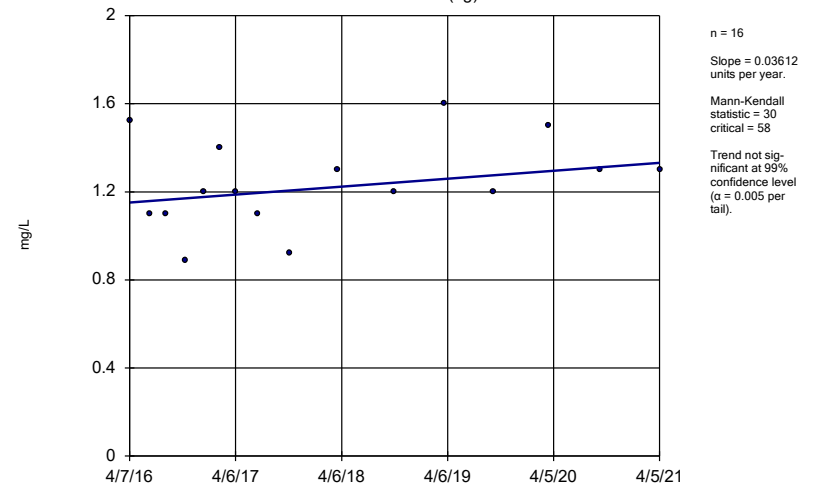
GWA-47 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

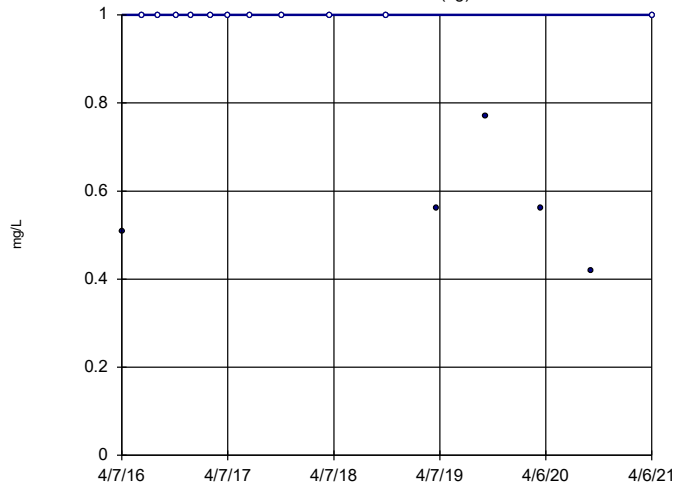
GWA-48 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-49 (bg)

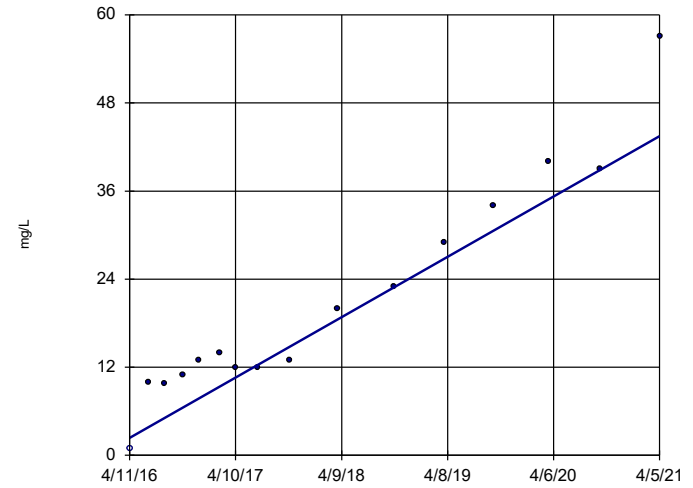


n = 16  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -26  
critical = -58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWC-52



n = 16  
Slope = 8.245  
units per year.  
Mann-Kendall  
statistic = 104  
critical = 58  
Increasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

**APPENDIX D**

**Statistical Analyses  
August 2021**

## GROUNDWATER STATS CONSULTING



January 31, 2022

Southern Company Services  
Attn: Mr. Joju Abraham  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308-3374

Re: Plant Scherer Cell 1 Landfill  
Statistical Analysis – August 2021 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the groundwater statistical analysis for the 2021 2nd Semi-Annual Groundwater Monitoring Statistical Analysis for Georgia Power Company's Plant Scherer Cell 1 Landfill. The analysis complies with 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 began for the Coal Combustion Residuals (CCR) program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2010. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-15, GWA-16, and GWA-17
- **Downgradient wells:** GWC-1, GWC-2, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-9, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, and GWC-20

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The State and CCR program consist of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Statistical analyses are not required when 100% non-detects are present in wells for a given constituent. A list of well/constituent pairs with 100% non-detects follows this letter. Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given constituent; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, 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 CCR Appendix III and Georgia EPD Appendix I 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.

In earlier analyses, 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 during the background update discussed below and

demonstrated that the selected statistical methods for the constituents 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 that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. For the state parameters, it is assumed a minimum of 14 background samples are available to provide adequate statistical power using a 1-of-2 resample plan. Power curves were based on the following:

**Georgia EPD Appendix I Constituents:**

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan (arsenic and silver)
- Intrawell Prediction Limits with 1-of-2 resample plan (antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 16
- # Downgradient wells: 17

**CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 17

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample 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. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts to groundwater quality in downgradient wells. Intrawell methods use background data from individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive result is higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, 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). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an apparent intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

### **Summary of Background Screening – CCR Appendix III – Conducted in 2017**

The original background screening for CCR Appendix III constituents was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Intrawell prediction limits, combined with a 1-of-2 resample plan, were recommended. The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach.

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. Based on the results of the original background screening, intrawell tests were recommended for all Appendix III parameters.

## **Summary of Background Screening – Georgia EPD Appendix I – Conducted in August 2019**

### Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of Tukey's outlier test as well as a discussion of potential outliers and flagged values were included with the background screening report. A summary of flagged values follows this letter (Figure C).

### Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

### Trend Tests

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections for the following constituents: arsenic, barium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This

step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed several statistically significant increasing trends. However, the majority of these trends were relatively low in magnitude when compared to average concentrations; therefore, most records required no adjustments. The following well/constituent pairs did require adjustments to the records in order to remove increasing trends and use more recent data that will result in statistical limits representative of present-day groundwater quality conditions: chromium in wells GWC-1 and GWC-10, and vanadium in well GWC-1. A summary of the background periods used for these well/constituent pairs follows this letter. When an increasing trend in a downgradient well is removed by truncating the earlier portion of the record for a constituent analyzed by intrawell limits, it is assumed that the trend is not the result of the facility. This assumption is supported by a boxplot for all wells, by pre-waste data, or by an alternate source demonstration.

Selenium at well GWC-5 had elevated concentrations beginning in 2015, reportedly, due to surface infiltration from a leaking pipe that has since been fixed. Therefore, trend tests were recommended in lieu of prediction limits. While the trend test showed an increasing trend when the entire record of data was evaluated, an additional trend test which evaluated only the most recent 8 measurements was included and demonstrated that the more recent measurements result in a statistically significant decreasing trend. Prediction limits may resume when at least 8 measurements return to background levels.

Several statistically significant decreasing trends were noted, but no records required adjustment during the screening. Vanadium at well GWC-8A has several more recent low-level reported concentrations similar to those reported during the earliest years of sampling. If these low-level concentrations continue, once a minimum of 8 new observations are available, the background data will likely be truncated to only use more recent data for construction of statistical limits.

#### Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells which included: arsenic, barium, chromium, cobalt, copper, lead, nickel, selenium, silver,

vanadium, and zinc. The ANOVA assists in identifying the most appropriate statistical approach. Based on the results of the background screening, intrawell tests were recommended for antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc, while interwell tests were recommended for arsenic and silver. A summary table of the ANOVA results and a discussion of the intrawell method eligibility was included with the screening.

## **Background Update – Georgia EPD Appendix I and CCR Appendix III – June 2021**

### Outlier Analysis

Prior to updating background data, visual screening was used to evaluate data for suspected outliers in upgradient and downgradient wells through September 2020. All of the more recent compliance measurements appeared stable with no spurious measurements compared to the previously screened historical data sets; therefore, no new outliers were flagged except for a high value for sulfate at well GWC-13 and the historic highest values for chloride and sulfate at GWC-5. These values were flagged in order to maintain conservative (i.e. lower) statistical limits. A summary of all flagged outliers follows this letter (Figure C). Outliers are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

### Mann-Whitney Comparison of Medians

For constituents tested using intrawell prediction limits, which includes all Georgia EPD Appendix I constituents (except arsenic and silver which utilize interwell prediction limits) and all CCR Appendix III constituents, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2018 to the new compliance samples at each well through September 2020. When no variation is present between historical data and compliance samples, the Mann-Whitney test is not performed. A list of well/constituent pairs with no variation was submitted with the background update. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. The results of the Mann-Whitney test and discussion regarding updating background records were included with the background update report. A summary of well/constituent pairs using a truncated portion of their record to establish intrawell prediction limits follows this letter. All records for Appendix I and Appendix III constituents using intrawell methods will be re-evaluated during the next background update.

## Trend Tests

For constituents requiring interwell prediction limits (arsenic and silver), the Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells. As mentioned above, in the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend, thus reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. No significant trends were identified among upgradient wells for arsenic and silver; therefore, no further action was necessary. Complete graphical results of the trend tests were submitted with the background update report.

## **Prediction Limits - Appendix I & III Constituents – Fall 2021**

Intrawell limits were used to evaluate all Appendix I and III constituents in this analysis with the exception of arsenic and silver, which use interwell limits, and selenium at well GWC-5, which uses a trend test in lieu of a prediction limit. In cases where intrawell analyses are recommended and downgradient average concentrations are higher than upgradient observed concentrations for a given constituent, the current assumption is that the higher upgradient concentrations are due to natural spatial variation rather than a result of practices at the landfill. The pre-waste data support this logic, as well as the alternate source demonstrations prepared by Golder Associates.

When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells (such as arsenic and silver), interwell prediction limits will initially be selected for the statistical method until further evidence shows that concentrations are due to natural variation rather than a result of the facility.

## Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through September 2020, except for cases mentioned above, within each well with detections for Appendix I constituents (antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc) and Appendix III constituent (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)

(Figures D & E, respectively). As previously discussed, no statistical analyses were included for well/constituent pairs containing 100% non-detects.

Note that the reporting limit for sulfate at downgradient well GWC-2 increased from 0.7 mg/L to 1 mg/L during this event and resulted in a slight increase in the statistical limit (from 0.99 mg/L to 1 mg/L). This change did not have any significant impact on the statistical analysis. The reporting limit for cobalt at downgradient well GWC-7 also increased from 0.0004 mg/L to 0.0025 mg/L during the August 2021 sample event and resulted in a slight increase in the statistical limit (from 0.0004 mg/L to 0.0025 mg/L). Additionally, the reporting limit for nickel in downgradient wells GWC-13 and GWC-19 decreased from 0.0018 mg/L to 0.0002 mg/L and resulted in slight decreases to the statistical limits (from 0.0018 mg/L to 0.001 mg/L for well GWC-13 and from 0.0018 mg/L to 0.0015 mg/L for well GWC-19). These changes did not have any significant impact on the statistical analysis.

Finally, additional samples were collected in October 2021 for the following well/constituent pairs due to unreliable data originally collected in August 2021:

- GWC-19: calcium
- GWC-1: fluoride and pH
- GWC-10: barium, chromium, cobalt, copper, lead, nickel, pH, vanadium, and zinc

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. The following statistical exceedances were noted for the intrawell prediction limits:

#### Appendix I

- Barium: GWC-14 and GWC-19
- Nickel: GWC-2

#### Appendix III

- Calcium: GWC-19
- Chloride: GWA-15 (upgradient), GWC-7, GWC-14, GWC-18, and GWC-19



Following the two-step analysis procedure discussed above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the Appendix I and III apparent intrawell prediction limit exceedances (Figures F and G, respectively). The following statistical exceedances were noted for the interwell prediction limits:

#### Appendix I

- Nickel: GWC-2

#### Appendix III

- Calcium: GWC-19

#### Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were then constructed using all pooled upgradient well data through August 2021 to develop background limits for arsenic and silver (Figure H). No statistical exceedances were noted for the interwell prediction limits. Summary tables of the intrawell and interwell prediction limits follow this letter along with the complete graphical results. For future semi-annual sampling events, the interwell limits will be updated each time after careful screening for new outliers on the current upgradient well data, while the intrawell prediction limits will remain the same until the next background update.

#### Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are 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 unrelated to practices at the site.

As recommended during the previous screening, trend tests were used in lieu of prediction limits for selenium at well GWC-5 until concentrations resume background levels. The trend test for selenium at well GWC-5 is included with the trend test section for Appendix I and III prediction limit exceedances (Figure I). While no statistically significant trend is present for selenium at well GWC-5 when the entire record is evaluated, concentrations exhibit a decreasing trend based on the most recent 8 measurements. Reported concentrations since September 2020 are below the historical reporting limit of 0.01 mg/L and the established Maximum Contaminant Level of 0.05 mg/L. Although current concentrations have recently returned to historical levels, data



will continue to be monitored using the trend analysis. Intrawell prediction limits may resume when a minimum of the most recent 8 measurements have stabilized to ensure the statistical limit is conservative from a regulatory perspective. During the next background update, this well/constituent pair will be screened for the purpose of constructing a statistical limit for selenium. A summary of the trend tests follows this letter along with complete graphical results of the trend analysis. Statistically significant trends were noted for the following well/constituent pairs:

Increasing:

- Barium: GWC-19
- Calcium: GWC-19

Decreasing:

- Barium: GWA-16 and GWA-17 (both upgradient)
- Chloride: GWA-17 (upgradient)

### **Summary**

Based on the results of the two-step approach, apparent intrawell prediction limit exceedances also exceeded the interwell prediction limits for the following well/constituent pairs:

#### Appendix I

- Nickel: GWC-2

#### Appendix III

- Calcium: GWC-19

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer Cell 1 Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Kristina L. Rayner  
Groundwater Statistician



Andrew T. Collins  
Project Manager

# Date Ranges

Date: 9/19/2021 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

Barium, Total (mg/L)

- GWC-10 background:5/10/2010-10/2/2018
- GWC-13 background:5/9/2010-10/3/2018
- GWC-19 background:5/11/2010-10/2/2018

Calcium (mg/L)

- GWC-8A background:4/19/2016-10/4/2018

Chromium, Total (mg/L)

- GWC-10 background:5/10/2010-10/2/2018

Lead, Total (mg/L)

- GWA-15 background:4/6/2016-9/15/2020
- GWA-16 background:4/6/2016-9/15/2020
- GWA-17 background:4/6/2016-9/15/2020
- GWC-1 background:4/6/2016-9/15/2020
- GWC-10 background:4/6/2016-9/15/2020
- GWC-11 background:4/6/2016-9/15/2020
- GWC-12 background:4/6/2016-9/15/2020
- GWC-13 background:4/6/2016-9/15/2020
- GWC-14 background:4/6/2016-9/15/2020
- GWC-18 background:4/6/2016-9/15/2020
- GWC-19 background:4/6/2016-9/15/2020
- GWC-2 background:4/6/2016-9/15/2020
- GWC-20 background:4/6/2016-9/15/2020
- GWC-3 background:4/6/2016-9/15/2020
- GWC-4 background:4/6/2016-9/15/2020
- GWC-5 background:4/6/2016-9/15/2020
- GWC-6 background:4/6/2016-9/15/2020
- GWC-7 background:4/6/2016-9/15/2020
- GWC-8A background:4/6/2016-9/15/2020
- GWC-9 background:4/6/2016-9/15/2020

Sulfate (mg/L)

- GWC-10 background:4/13/2016-10/2/2018

# 100% Non-Detects

Analysis Run 12/2/2021 2:56 PM View: 100% Nondetects - Appendix I & III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

Antimony, Total (mg/L)

GWC-1, GWC-10, GWC-11, GWC-13, GWC-14, GWC-20, GWC-4, GWC-5, GWC-6, GWC-8A, GWC-9

Beryllium, Total (mg/L)

GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-6, GWC-9

Boron (mg/L)

GWC-10, GWC-11, GWC-12, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-4

Cadmium, Total (mg/L)

GWC-1, GWC-10, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-9

Cobalt, Total (mg/L)

GWC-10, GWC-13, GWC-14

Copper (mg/L)

GWC-10, GWC-12, GWC-19, GWC-5

Lead, Total (mg/L)

GWC-12

Mercury (mg/L)

GWC-12

Nickel (mg/L)

GWC-14

Selenium, Total (mg/L)

GWC-13, GWC-20, GWC-4

Silver (mg/L)

GWC-10, GWC-11, GWC-12, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-7, GWC-8A, GWC-9

Thallium, Total (mg/L)

GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-20, GWC-3

# Appendix I Intrawell Prediction Limit - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method	
Barium, Total (mg/L)	GWC-14	0.01121	n/a	8/11/2021	0.012	Yes	27	8.3e-7	2.3e-7	3.704	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-19	0.01999	n/a	8/11/2021	0.031	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	8/12/2021	0.0028	Yes	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (mg/L)	GWA-16	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-12	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-18	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-19	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-2	0.002	n/a	8/12/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-3	0.002	n/a	8/12/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-7	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-15	0.01222	n/a	8/11/2021	0.01	No	29	1.0e-6	3.3e-7	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-16	0.039	n/a	8/11/2021	0.023	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-17	0.05168	n/a	8/11/2021	0.029	No	29	0.03311	0.007355	3.448	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-1	0.05736	n/a	8/18/2021	0.049	No	29	0.04657	0.004275	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-10	0.03499	n/a	10/18/2021	0.031	No	25	0.02434	0.004121	8	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-11	0.02014	n/a	8/11/2021	0.017	No	29	0.000004288	0.000001538	6.897	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-12	0.02024	n/a	8/11/2021	0.018	No	29	0.0002401	0.00006713	6.897	None	x^2	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-13	0.04187	n/a	8/11/2021	0.037	No	25	0.3096	0.01457	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-14</b>	<b>0.01121</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>0.012</b>	<b>Yes</b>	<b>27</b>	<b>8.3e-7</b>	<b>2.3e-7</b>	<b>3.704</b>	<b>None</b>	<b>x^3</b>	<b>0.0001937</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-18	0.04194	n/a	8/11/2021	0.037	No	29	0.0000432	0.00001211	3.448	None	x^3	0.0001937	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>0.01999</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>0.031</b>	<b>Yes</b>	<b>25</b>	<b>9.0e-8</b>	<b>2.7e-8</b>	<b>4</b>	<b>None</b>	<b>x^4</b>	<b>0.0001937</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-2	0.05512	n/a	8/12/2021	0.048	No	29	0.04531	0.003886	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-20	0.03633	n/a	8/11/2021	0.031	No	29	0.00002787	0.00000795	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-3	0.039	n/a	8/12/2021	0.019	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWC-4	0.05318	n/a	8/12/2021	0.049	No	29	0.0383	0.005897	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-5	0.1279	n/a	8/12/2021	0.036	No	29	0.1968	0.06373	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-6	0.06608	n/a	8/11/2021	0.054	No	29	0.05388	0.004831	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-7	0.04238	n/a	8/11/2021	0.036	No	29	0.03227	0.004007	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-8A	0.1198	n/a	8/12/2021	0.026	No	29	0.2032	0.05658	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-9	0.03624	n/a	8/12/2021	0.023	No	29	0.02271	0.005359	3.448	None	No	0.0001937	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWA-17	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-5	0.0025	n/a	8/12/2021	0.00022J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-7	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-8A	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-17	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-11	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-2	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-8A	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-15	0.0036	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-16	0.008833	n/a	8/11/2021	0.0059	No	29	0.06962	0.009652	3.448	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-17	0.0117	n/a	8/11/2021	0.0089	No	29	0.007027	0.001851	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-1	0.01967	n/a	8/18/2021	0.014	No	29	0.01183	0.003104	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-10	0.02162	n/a	10/18/2021	0.019	No	25	0.01381	0.003022	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-11	0.012	n/a	8/11/2021	0.0078	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-12	0.0036	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	41.38	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-13	0.009035	n/a	8/11/2021	0.0051	No	28	0.06874	0.01036	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-14	0.0038	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWC-18	0.02	n/a	8/11/2021	0.014	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-19	0.01516	n/a	8/11/2021	0.013	No	29	0.009037	0.002426	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-2	0.01406	n/a	8/12/2021	0.012	No	29	0.009993	0.00161	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-20	0.01426	n/a	8/11/2021	0.0087	No	29	0.009105	0.002041	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-3	0.022	n/a	8/12/2021	0.0085	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-4	0.01042	n/a	8/12/2021	0.0045	No	29	0.006141	0.001695	3.448	None	No	0.0001937	Param Intra 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method	
Chromium, Total (mg/L)	GWC-5	0.01111	n/a	8/12/2021	0.0053	No	29	-5.492	0.393	3.448	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-6	0.012	n/a	8/11/2021	0.005	No	29	n/a	n/a	6.897	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-7	0.01648	n/a	8/11/2021	0.0092	No	29	-4.614	0.2014	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-8A	0.023	n/a	8/12/2021	0.002ND	No	28	n/a	n/a	39.29	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-9	0.01258	n/a	8/12/2021	0.0077	No	29	0.007675	0.001942	3.448	None	No	0.0001937	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-15	0.0025	n/a	8/11/2021	0.0011J	No	28	n/a	n/a	53.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-16	0.0025	n/a	8/11/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-17	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.00025J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-10	0.0025	n/a	10/18/2021	0.0025ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-11	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-12	0.00057	n/a	8/11/2021	0.00033J	No	29	n/a	n/a	72.41	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-18	0.0025	n/a	8/11/2021	0.00021J	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-19	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-2	0.0025	n/a	8/12/2021	0.0002J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-20	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-3	0.00042	n/a	8/12/2021	0.00067J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-4	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-5	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-6	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-7	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-8A	0.0046	n/a	8/12/2021	0.0019J	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWC-9	0.0025	n/a	8/12/2021	0.00013J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-1	0.002	n/a	8/18/2021	0.0011J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10	0.002	n/a	10/18/2021	0.002ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-2	0.002	n/a	8/12/2021	0.00078J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	8/11/2021	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	8/12/2021	0.0019J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0039	n/a	8/12/2021	0.002ND	No	24	n/a	n/a	50	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	8/11/2021	0.002ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.18	n/a	8/12/2021	0.002ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-9	0.0038	n/a	8/12/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-16	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-17	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-10	0.001	n/a	10/18/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-11	0.0017	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-14	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-18	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-19	0.0015	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-2	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-20	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Lead, Total (mg/L)	GWC-3	0.001	n/a	8/12/2021	0.0014J	No	15	n/a	n/a	93.33	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-4	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-5	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-7	0.001	n/a	8/11/2021	0.0014J	No	15	n/a	n/a	93.33	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-8A	0.0012	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-17	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	8/18/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	8/17/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-7	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	8/11/2021	0.00051J	No	24	n/a	n/a	83.33	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	8/11/2021	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.0012	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	8/18/2021	0.0017	No	23	n/a	n/a	86.96	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	10/18/2021	0.002	No	24	n/a	n/a	79.17	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	8/11/2021	0.0006J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	8/11/2021	0.0008J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.001	n/a	8/11/2021	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0015	n/a	8/11/2021	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
<b>Nickel (mg/L)</b>	<b>GWC-2</b>	<b>0.0023</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>0.0028</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>73.91</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415 NP Intra (NDs) 1 of 2</b>
Nickel (mg/L)	GWC-20	0.003	n/a	8/11/2021	0.00056J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	8/12/2021	0.0029	No	21	n/a	n/a	71.43	n/a	n/a	0.003999 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0036	n/a	8/12/2021	0.00076J	No	24	n/a	n/a	79.17	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	8/12/2021	0.00061J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	8/11/2021	0.00074J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	8/12/2021	0.0035	No	22	n/a	n/a	50	n/a	n/a	0.003707 NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.00045J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-15	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-16	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-17	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-1	0.0053	n/a	8/18/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-10	0.005	n/a	8/17/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium, Total (mg/L)	GWC-11	0.005	n/a	8/11/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-12	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-14	0.0052	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-18	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-19	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-2	0.005	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-3	0.005	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-6	0.007	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-7	0.0053	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-8A	0.005	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-9	0.0065	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-15	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-16	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-17	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-19	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-2	0.001	n/a	8/12/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-4	0.001	n/a	8/12/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-5	0.001	n/a	8/12/2021	0.00037J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.0002J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-7	0.001	n/a	8/11/2021	0.00043J	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-8A	0.001	n/a	8/12/2021	0.00043J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.00016J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01241	n/a	8/11/2021	0.0082	No	24	0.007244	0.001978	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWA-17	0.009964	n/a	8/11/2021	0.0055	No	24	0.06396	0.01374	16.67	Kaplan-Meier	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-1	0.02568	n/a	8/18/2021	0.018	No	24	0.01527	0.003991	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-10	0.018	n/a	10/18/2021	0.013	No	24	0.01197	0.002311	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.01477	n/a	8/11/2021	0.011	No	24	0.01047	0.001648	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-12	0.0052	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.0062	n/a	8/11/2021	0.0013	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.0062	n/a	8/11/2021	0.0012	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01191	n/a	8/11/2021	0.008	No	24	0.1875	0.01567	4.167	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.01075	n/a	8/11/2021	0.0076	No	24	0.007178	0.001371	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.02033	n/a	8/12/2021	0.016	No	24	0.01352	0.00261	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02389	n/a	8/11/2021	0.019	No	24	0.01733	0.002514	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01131	n/a	8/12/2021	0.0087	No	23	0.08012	0.009969	4.348	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01219	n/a	8/12/2021	0.007	No	24	0.007693	0.001725	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.006806	n/a	8/12/2021	0.0021	No	24	0.003039	0.001444	25	Kaplan-Meier	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01371	n/a	8/11/2021	0.0099	No	24	0.008936	0.001829	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01729	n/a	8/11/2021	0.013	No	24	0.0001713	0.0000489	4.167	None	x^2	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04443	n/a	8/12/2021	0.001ND	No	21	0.01412	0.01131	9.524	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02794	n/a	8/12/2021	0.02	No	24	0.01653	0.004374	4.167	None	No	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.006	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0084	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	8/18/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	10/18/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.018	n/a	8/11/2021	0.005ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2



# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Zinc (mg/L)	GWC-13	0.0085	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0077	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.0059	n/a	8/11/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	8/12/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.0065	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.0069	n/a	8/12/2021	0.0035J	No	21	n/a	n/a	95.24	n/a	n/a	0.003999 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.006	n/a	8/12/2021	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	8/12/2021	0.0034J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0062	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.0074	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.085	n/a	8/12/2021	0.005ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999 NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	8/12/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limit - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method	
Calcium (mg/L)	GWC-19	15.99	n/a	10/7/2021	17	Yes	15	11.46	1.718	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWA-15	6.3	n/a	8/11/2021	7.2	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-14	3.365	n/a	8/11/2021	3.7	Yes	15	2.894	0.1784	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.9	n/a	8/11/2021	2.9	Yes	15	2.515	0.1457	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-19	2.435	n/a	8/11/2021	2.8	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.5	n/a	8/11/2021	3	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2

# Appendix III Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-17	0.08	n/a	8/11/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-1	0.08	n/a	8/18/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.08	n/a	8/11/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-3	0.08	n/a	8/12/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.6172	n/a	8/12/2021	0.19	No	15	0.3445	0.1034	6.667	None	No	0.0004426	Param Intra 1 of 2
Boron (mg/L)	GWC-6	0.08	n/a	8/11/2021	0.057J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-7	0.08	n/a	8/11/2021	0.056J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-8A	0.3262	n/a	8/12/2021	0.23	No	14	0.1846	0.05242	0	None	No	0.0004426	Param Intra 1 of 2
Boron (mg/L)	GWC-9	0.1305	n/a	8/12/2021	0.1	No	15	0.08718	0.0164	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-15	5.463	n/a	8/11/2021	4.1	No	15	4.215	0.4731	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-16	14.38	n/a	8/11/2021	11	No	15	11.59	1.055	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-17	8.711	n/a	8/11/2021	7.3	No	15	6.639	0.7855	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-1	20.62	n/a	8/18/2021	18	No	15	17.13	1.326	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	21.64	n/a	8/17/2021	18	No	15	16.8	1.835	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11	15.09	n/a	8/11/2021	13	No	15	12.69	0.9098	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-12	1.581	n/a	8/11/2021	1	No	15	1.095	0.184	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13	9.036	n/a	8/11/2021	6.7	No	15	1.862	0.08384	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-14	7.744	n/a	8/11/2021	6.9	No	15	6.446	0.4921	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-18	12.05	n/a	8/11/2021	10	No	15	10.29	0.6675	0	None	No	0.0004426	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-19</b>	<b>15.99</b>	<b>n/a</b>	<b>10/7/2021</b>	<b>17</b>	<b>Yes</b>	<b>15</b>	<b>11.46</b>	<b>1.718</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-2	20.61	n/a	8/12/2021	17	No	15	17.31	1.248	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-20	16.02	n/a	8/11/2021	14	No	15	13.43	0.9796	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-3	11.1	n/a	8/12/2021	6.6	No	15	7.961	1.19	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-4	16.56	n/a	8/12/2021	13	No	15	12.47	1.553	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-5	222.5	n/a	8/12/2021	46	No	15	107.3	43.67	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	21.67	n/a	8/11/2021	16	No	15	17.82	1.459	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-7	16.33	n/a	8/11/2021	14	No	15	14.12	0.8377	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8A	45.47	n/a	8/12/2021	37	No	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	19.78	n/a	8/12/2021	18	No	15	17.05	1.037	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWA-15</b>	<b>6.3</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>7.2</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride (mg/L)	GWA-16	2.089	n/a	8/11/2021	1.8	No	15	1.646	0.1678	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWA-17	2.117	n/a	8/11/2021	1.4	No	15	1.566	0.2089	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-1	4.775	n/a	8/18/2021	4	No	15	3.841	0.354	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-10	4.3	n/a	8/17/2021	3.1	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-11	2.109	n/a	8/11/2021	1.8	No	15	1.772	0.1278	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-12	2.15	n/a	8/11/2021	1.8	No	15	1.753	0.1506	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-13	1.976	n/a	8/11/2021	1.6	No	15	1.548	0.1621	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-14</b>	<b>3.365</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>3.7</b>	<b>Yes</b>	<b>15</b>	<b>2.894</b>	<b>0.1784</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>GWC-18</b>	<b>2.9</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>2.9</b>	<b>Yes</b>	<b>15</b>	<b>2.515</b>	<b>0.1457</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>GWC-19</b>	<b>2.435</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>2.8</b>	<b>Yes</b>	<b>15</b>	<b>1.338</b>	<b>0.08444</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Chloride (mg/L)	GWC-2	2.66	n/a	8/12/2021	2.5	No	15	2.123	0.2035	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-20	2.425	n/a	8/11/2021	2.1	No	15	7.311	2.638	6.667	None	x^3	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-3	4.015	n/a	8/12/2021	3.3	No	15	3.176	0.3181	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-4	15.93	n/a	8/12/2021	12	No	15	7.238	3.295	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-5	134.3	n/a	8/12/2021	22	No	14	60.62	27.28	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-6	9.041	n/a	8/11/2021	6.5	No	14	6.021	1.119	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-7</b>	<b>2.5</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>3</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride (mg/L)	GWC-8A	10.77	n/a	8/12/2021	7.8	No	14	2.006	0.1373	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-9	4.39	n/a	8/12/2021	4.1	No	15	3.523	0.3286	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWA-15	0.1	n/a	8/11/2021	0.036J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWA-16	0.082	n/a	8/11/2021	0.05J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWA-17	0.082	n/a	8/11/2021	0.053J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-1	0.1091	n/a	10/18/2021	0.081J	No	15	0.006016	0.00223	33.33	Kaplan-Meier	x^2	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWC-10	0.088	n/a	8/17/2021	0.083J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.082	n/a	8/11/2021	0.051J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.1	n/a	8/11/2021	0.029J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-13	0.082	n/a	8/11/2021	0.045J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-14	0.1	n/a	8/11/2021	0.045J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.1	n/a	8/11/2021	0.062J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.1	n/a	8/11/2021	0.047J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-2	0.082	n/a	8/12/2021	0.054J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.1	n/a	8/11/2021	0.051J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-3	0.091	n/a	8/12/2021	0.084J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-4	0.1466	n/a	8/12/2021	0.11	No	15	0.009818	0.004428	0	None	x^2	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWC-5	0.082	n/a	8/12/2021	0.045J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-6	0.082	n/a	8/11/2021	0.055J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-7	0.12	n/a	8/11/2021	0.058J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-8A	0.2241	n/a	8/12/2021	0.087J	No	14	0.1081	0.04297	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWC-9	0.096	n/a	8/12/2021	0.085J	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
pH (S.U.)	GWA-15	5.761	5.24	8/11/2021	5.5	No	18	5.501	0.1037	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWA-16	6.563	6.191	8/11/2021	6.35	No	18	6.377	0.07404	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWA-17	6.338	5.628	8/11/2021	6.14	No	18	5.983	0.1415	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-1	6.745	6.3	10/18/2021	6.36	No	18	6.522	0.08869	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-10	6.659	6.027	10/18/2021	6.25	No	18	6.343	0.1259	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-11	6.354	5.988	8/11/2021	6.21	No	17	6.171	0.07184	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-12	5.433	4.859	8/11/2021	5.2	No	18	5.146	0.1143	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-13	6.052	5.659	8/11/2021	5.92	No	19	6960	466.8	0	None	x^5	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-14	5.903	5.332	8/11/2021	5.61	No	17	5.617	0.1122	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-18	6.46	6.164	8/11/2021	6.43	No	18	6.312	0.05897	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-19	6.518	6.229	8/11/2021	6.35	No	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-2	7	6.35	8/12/2021	6.41	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-20	6.664	6.342	8/11/2021	6.58	No	18	6.503	0.06408	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-3	6.201	5.69	8/12/2021	6.12	No	18	5.946	0.1019	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-4	6.591	5.971	8/12/2021	6.3	No	18	39.54	1.551	0	None	x^2	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-5	6.158	5.348	8/12/2021	5.87	No	18	5.753	0.1613	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-6	6.43	6.09	8/11/2021	6.14	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-7	6.42	5.96	8/11/2021	6.26	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-8A	7.26	6.24	8/12/2021	6.37	No	21	n/a	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-9	6.922	6.294	8/12/2021	6.66	No	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate (mg/L)	GWA-15	3.1	n/a	8/11/2021	1.3	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-16	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-17	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-1	1	n/a	8/18/2021	0.79J	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-10	1.475	n/a	8/17/2021	1.2	No	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-12	1.3	n/a	8/11/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-13	1.3	n/a	8/11/2021	0.89J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-14	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-18	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-19	1.2	n/a	8/11/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method	
Sulfate (mg/L)	GWC-2	1	n/a	8/12/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-20	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-3	1.1	n/a	8/12/2021	1ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-4	6.288	n/a	8/12/2021	3.5	No	15	2.937	1.27	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5	629.8	n/a	8/12/2021	140	No	14	315	116.6	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-6	17.41	n/a	8/11/2021	11	No	15	10.19	2.735	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-7	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-8A	55.93	n/a	8/12/2021	27	No	14	30.76	9.32	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-9	16.91	n/a	8/12/2021	9.7	No	15	9.857	2.672	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-15	76.79	n/a	8/11/2021	55	No	15	35.07	15.82	13.33	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-16	153.2	n/a	8/11/2021	100	No	15	93.67	22.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-17	132.7	n/a	8/11/2021	94	No	15	66.53	25.08	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-1	164.7	n/a	8/18/2021	150	No	15	131.1	12.73	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	180.4	n/a	8/17/2021	160	No	14	127.6	19.55	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	293	n/a	8/11/2021	120	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	94.94	n/a	8/11/2021	18	No	15	4.249	2.083	26.67	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-13	119.3	n/a	8/11/2021	75	No	14	58.14	22.64	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-14	103	n/a	8/11/2021	71	No	15	55	18.21	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-18	120.6	n/a	8/11/2021	98	No	15	84.33	13.75	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	164.4	n/a	8/11/2021	120	No	15	90.33	28.07	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-2	192.3	n/a	8/12/2021	130	No	15	116.2	28.83	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	146.1	n/a	8/11/2021	110	No	15	102.9	16.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-3	112.1	n/a	8/12/2021	89	No	15	79.13	12.48	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-4	166.6	n/a	8/12/2021	130	No	15	116.9	18.84	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-5	1654	n/a	8/12/2021	370	No	15	823.3	314.8	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-6	183.8	n/a	8/11/2021	160	No	15	144.8	14.77	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-7	155.6	n/a	8/11/2021	130	No	15	116.4	14.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-8A	404	n/a	8/12/2021	240	No	13	14.63	1.981	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	205.7	n/a	8/12/2021	150	No	15	20532	8252	0	None	x^2	0.0004426	Param Intra 1 of 2

# Interwell Appendix I Prediction Limits - All Results (No Exceedances)

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 9/19/2021, 11:16 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBq	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-10	0.001	n/a	8/17/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-11	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-12	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-14	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-18	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-19	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-2	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-20	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-3	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-4	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-5	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-7	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-8A	0.001	n/a	8/12/2021	0.00081J	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2

# Appendix I Interwell Prediction Limit (Intrawell Exceedances) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:12 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Nickel (mg/L)	GWC-2	0.00202	n/a	8/12/2021	0.0028	Yes	77	n/a	n/a	87.01	n/a	n/a	0.0003199 NP Inter (NDs) 1 of 2

# Appendix I Interwell Prediction Limit (Intrawell Exceedances) - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:12 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Barium, Total (mg/L)	GWC-14	0.051	n/a	8/11/2021	0.012	No	93	n/a	n/a	2.151	n/a	n/a	0.0002216 NP Inter (normality) 1 of 2
Barium, Total (mg/L)	GWC-19	0.051	n/a	8/11/2021	0.031	No	93	n/a	n/a	2.151	n/a	n/a	0.0002216 NP Inter (normality) 1 of 2
Nickel (mg/L)	GWC-2	<b>0.00202</b>	n/a	<b>8/12/2021</b>	<b>0.0028</b>	<b>Yes</b>	<b>77</b>	n/a	n/a	<b>87.01</b>	n/a	n/a	<b>0.0003199 NP Inter (NDs) 1 of 2</b>



# Appendix III Interwell Prediction Limit - Intrawell Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Calcium (mg/L)	GWC-19	14	n/a	10/7/2021	17	Yes	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2

# Appendix III Interwell Prediction Limit - Intrawell Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Calcium (mg/L)	GWC-19	14	n/a	10/7/2021	17	Yes	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14	7.2	n/a	8/11/2021	3.7	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-18	7.2	n/a	8/11/2021	2.9	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	7.2	n/a	8/11/2021	2.8	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-7	7.2	n/a	8/11/2021	3	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2

# Interwell Appendix I Prediction Limits - All Results (No Exceedances)

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 9/19/2021, 11:16 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBq	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-10	0.001	n/a	8/17/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-11	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-12	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-14	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-18	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-19	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-2	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-20	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-3	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-4	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-5	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-7	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-8A	0.001	n/a	8/12/2021	0.00081J	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2

# Trend Tests - Appendix I & III - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 4:50 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004515	-198	-152	Yes	31	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.00104	-185	-152	Yes	31	3.226	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0003603	188	152	Yes	31	3.226	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-19	1.007	81	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-17 (bg)	-0.08897	-70	-63	Yes	17	0	n/a	n/a	0.01	NP

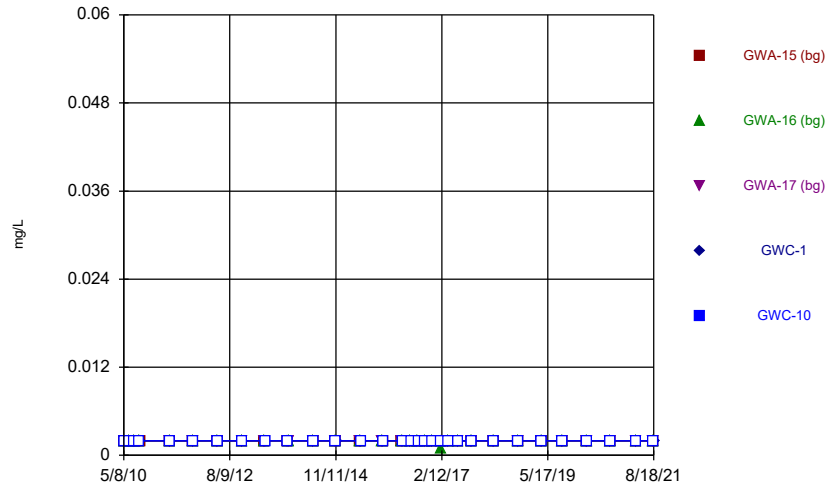
# Trend Tests - Appendix I & III - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 4:50 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-15 (bg)	0	-16	-152	No	31	3.226	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.0004515</b>	<b>-198</b>	<b>-152</b>	<b>Yes</b>	<b>31</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.00104</b>	<b>-185</b>	<b>-152</b>	<b>Yes</b>	<b>31</b>	<b>3.226</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWC-14	0	5	139	No	29	3.448	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>0.0003603</b>	<b>188</b>	<b>152</b>	<b>Yes</b>	<b>31</b>	<b>3.226</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	GWA-15 (bg)	0	3	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-16 (bg)	0	-6	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-17 (bg)	0.19	51	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-19</b>	<b>1.007</b>	<b>81</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWA-15 (bg)	0.1745	55	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16 (bg)	-0.04955	-33	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.08897</b>	<b>-70</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWC-14	0.0331	17	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18	0.06185	47	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-19	0.04506	21	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-7	0.1037	49	63	No	17	0	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-15 (bg)	0	-99	-118	No	26	76.92	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-16 (bg)	0	-16	-111	No	25	96	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-17 (bg)	0	-26	-118	No	26	88.46	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-2	0	50	111	No	25	68	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-15 (bg)	0	-10	-152	No	31	96.77	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-16 (bg)	0	-13	-152	No	31	90.32	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-17 (bg)	0	-1	-152	No	31	93.55	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWC-5	0	59	152	No	31	38.71	n/a	n/a	0.01	NP

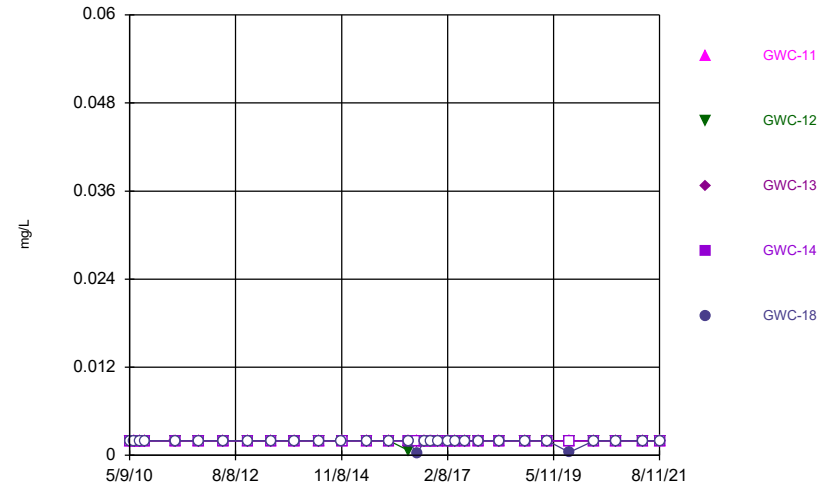
FIGURE A.

### Time Series



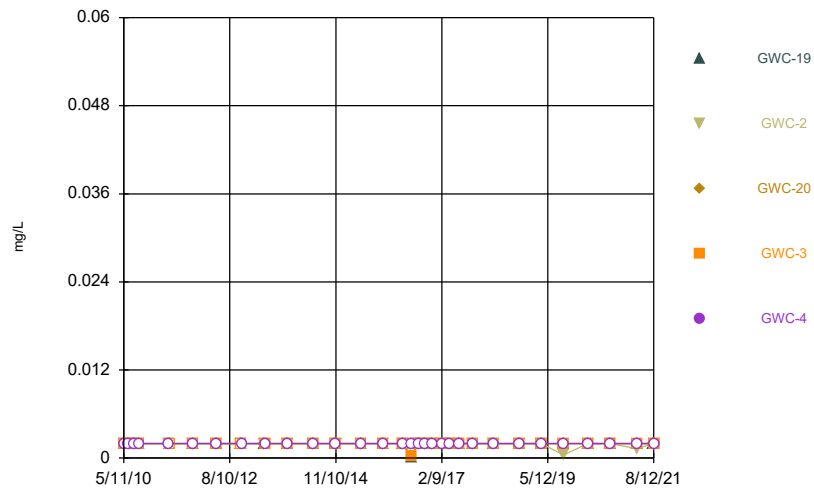
Constituent: Antimony, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



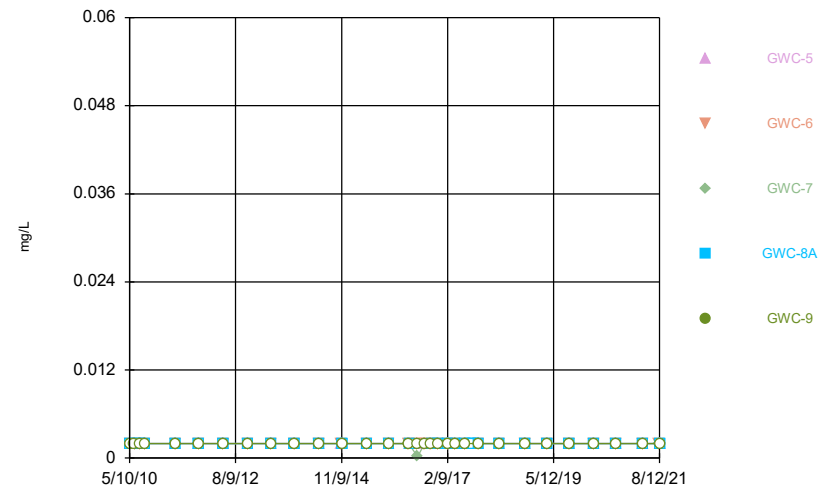
Constituent: Antimony, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



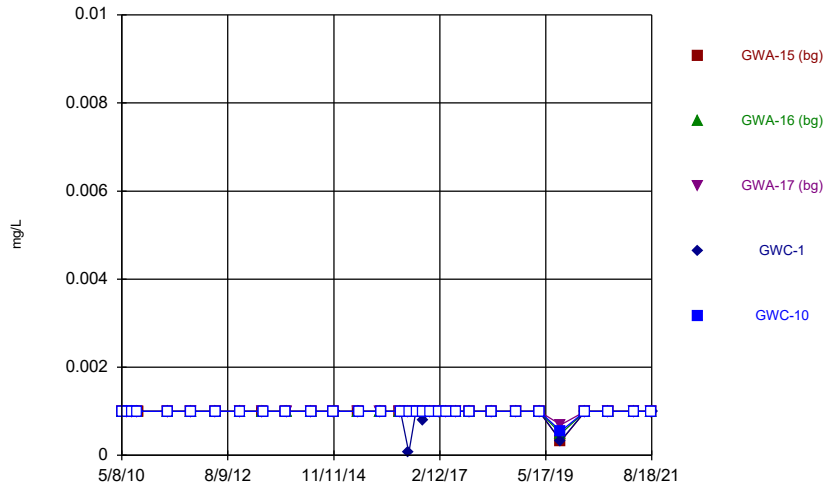
Constituent: Antimony, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



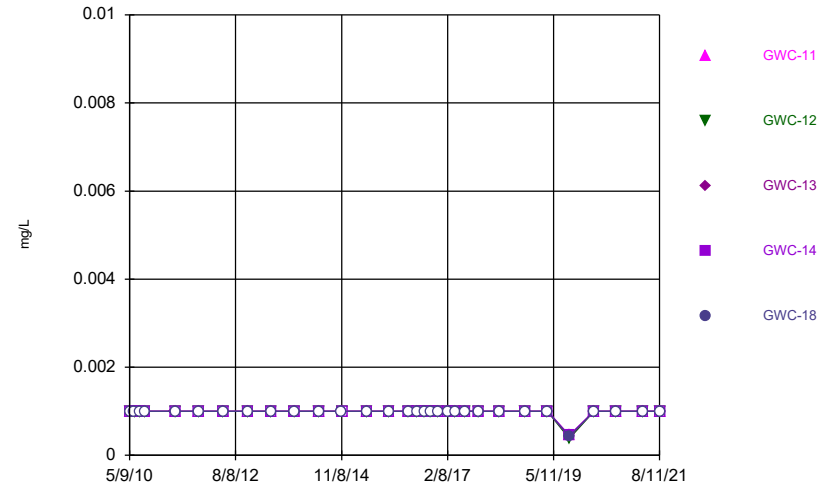
Constituent: Antimony, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



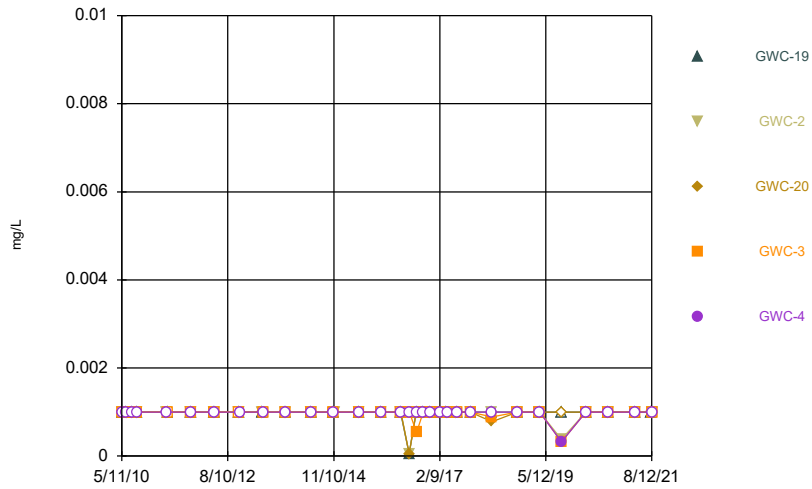
Constituent: Arsenic, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



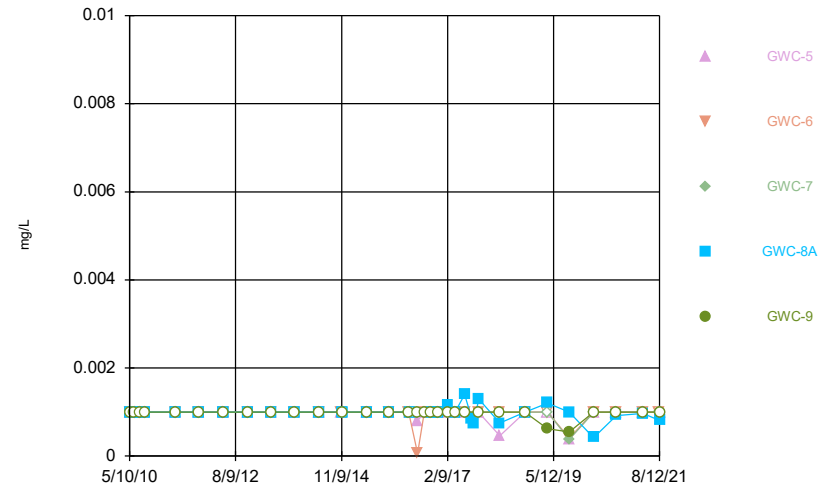
Constituent: Arsenic, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



Constituent: Arsenic, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

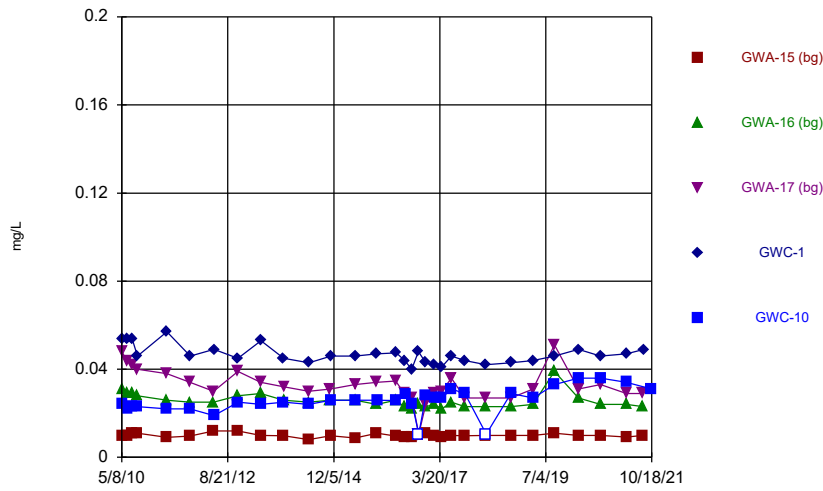
Time Series



Constituent: Arsenic, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

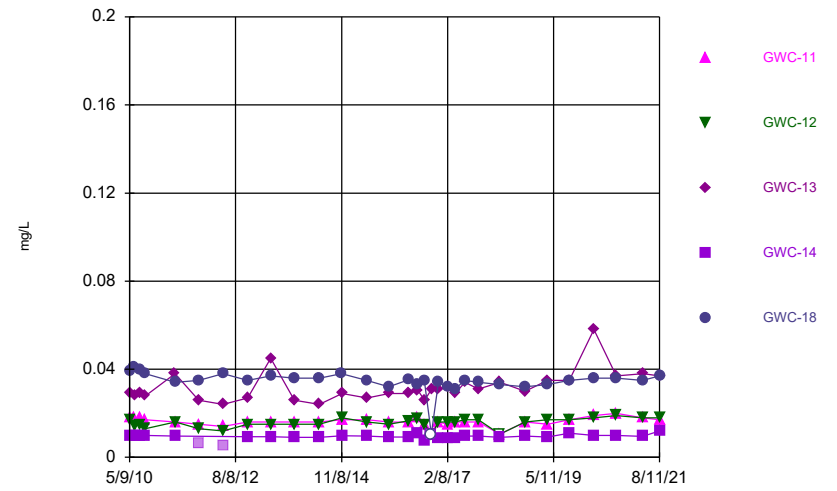


### Time Series



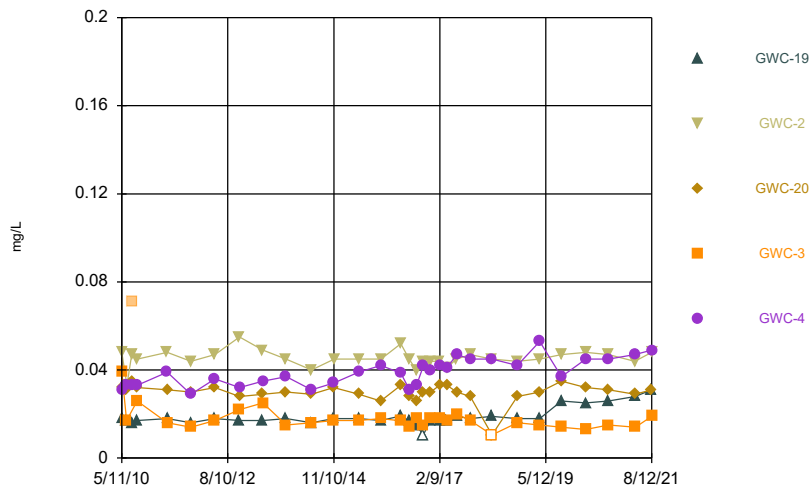
Constituent: Barium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



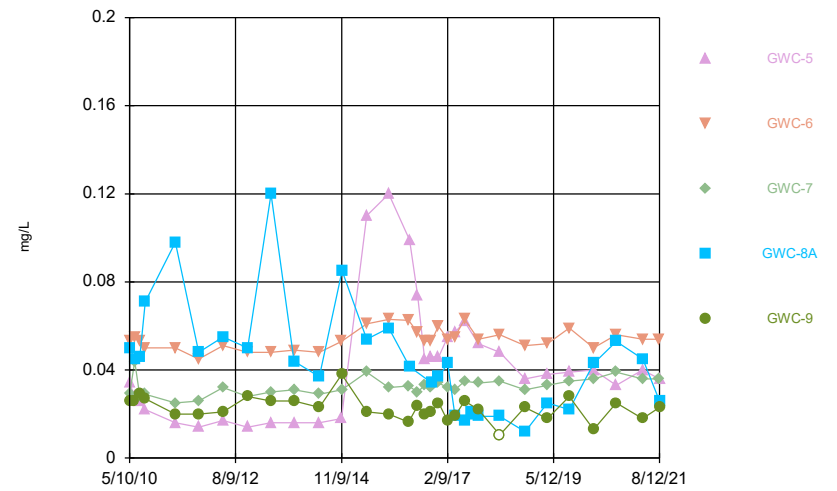
Constituent: Barium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



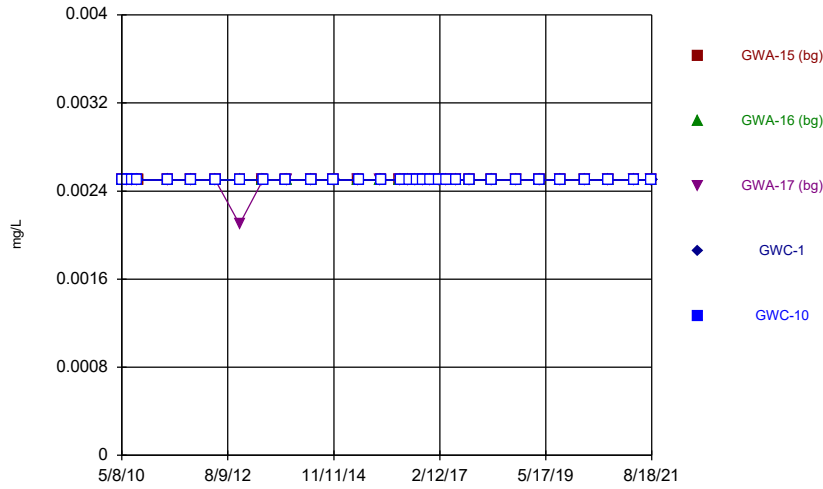
Constituent: Barium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



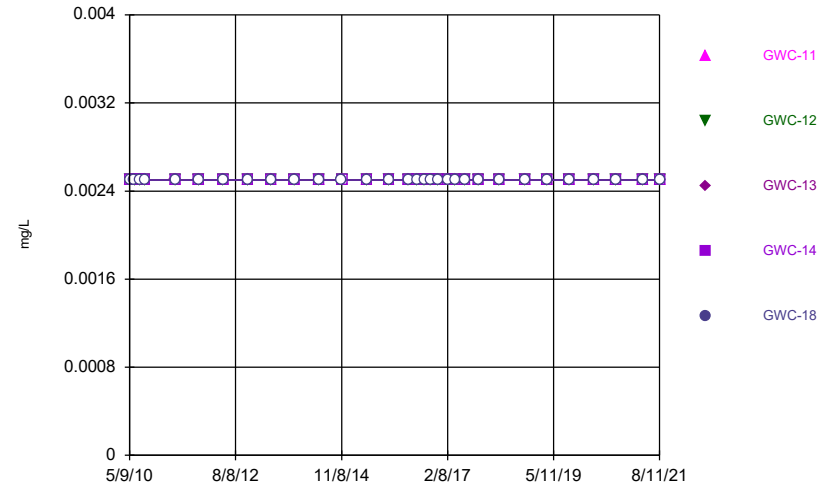
Constituent: Barium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



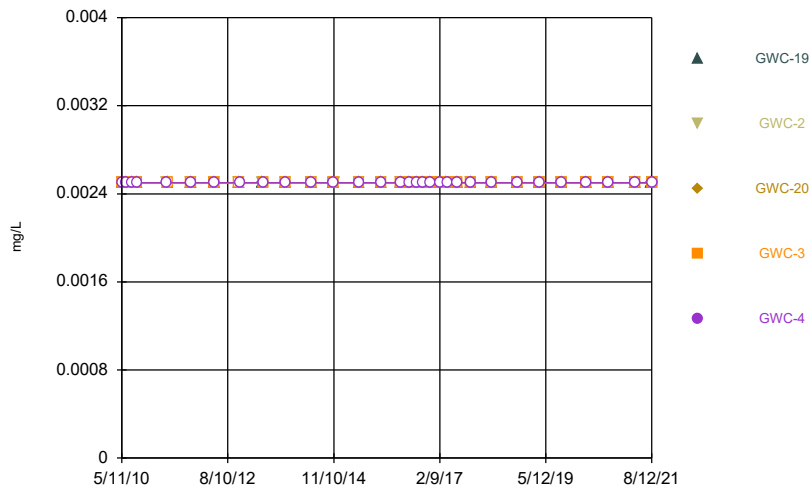
Constituent: Beryllium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



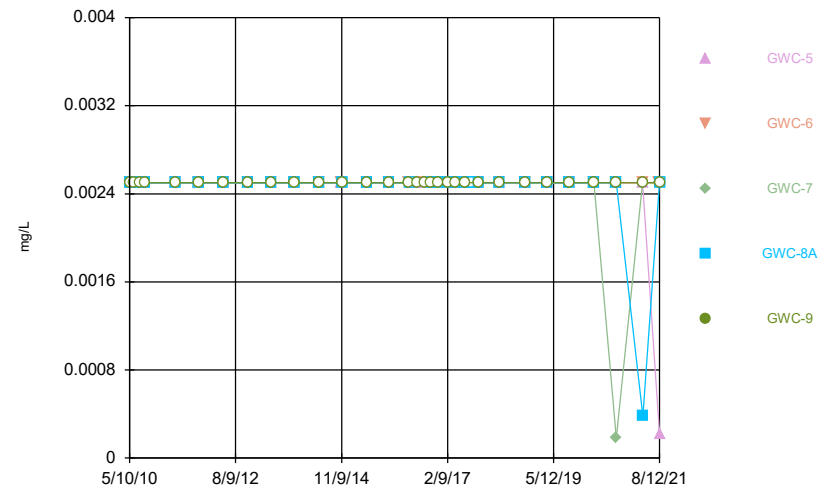
Constituent: Beryllium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



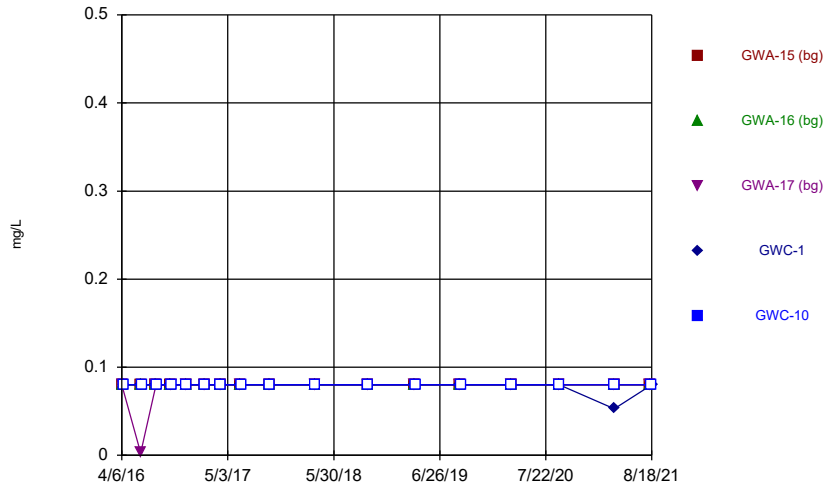
Constituent: Beryllium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



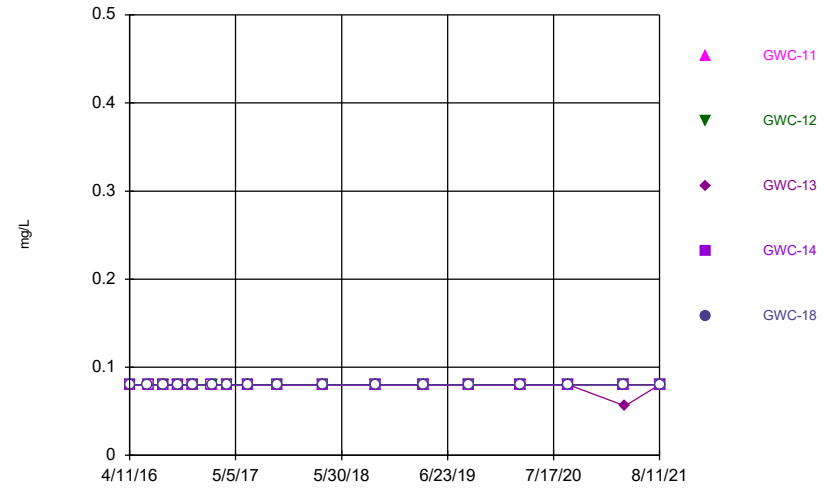
Constituent: Beryllium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



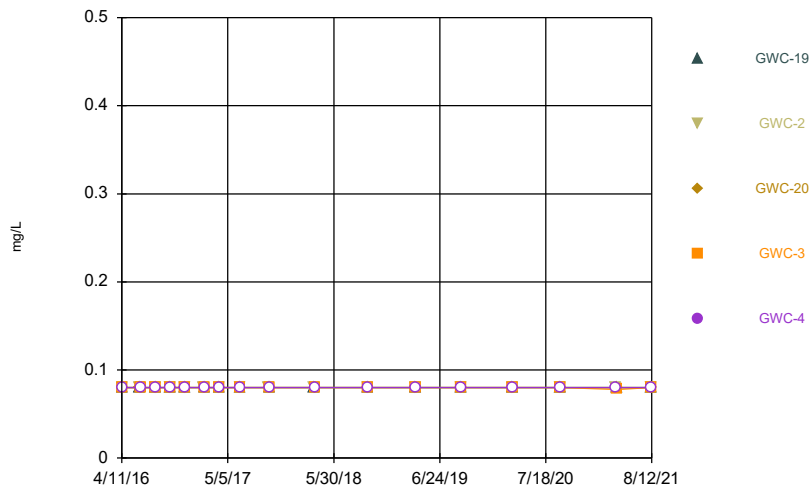
Constituent: Boron Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



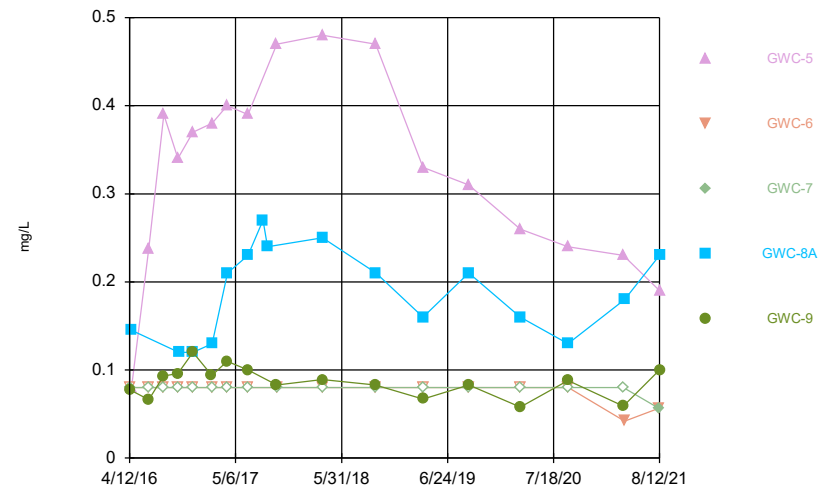
Constituent: Boron Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



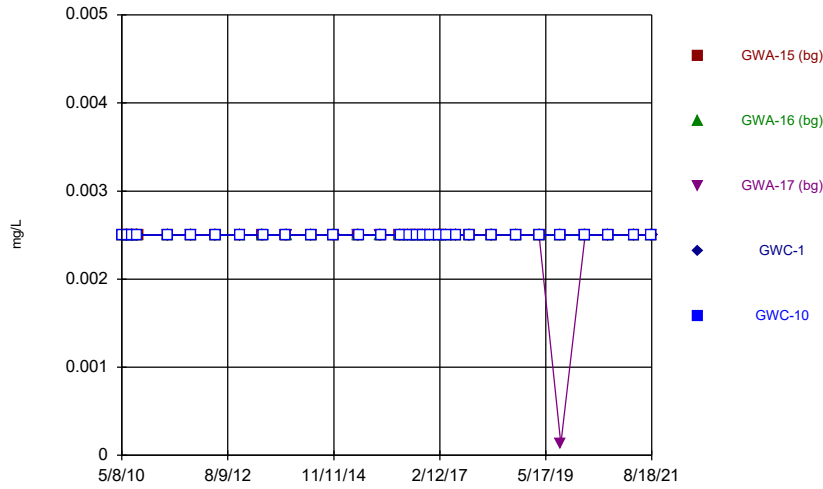
Constituent: Boron Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



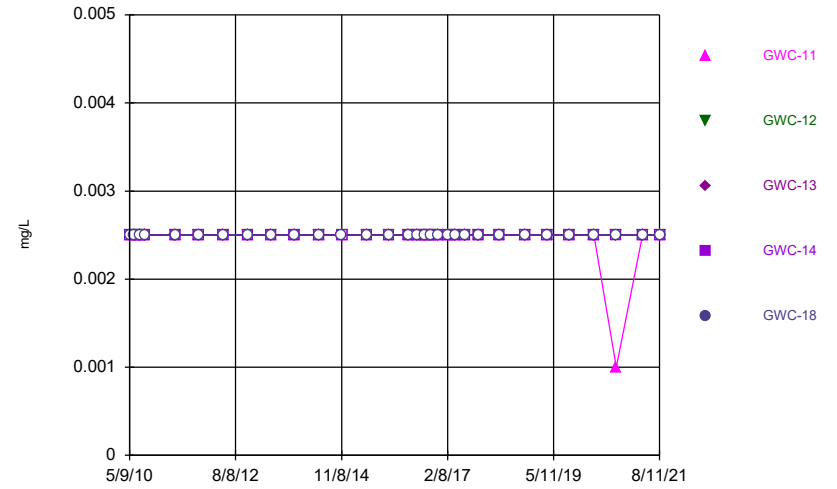
Constituent: Boron Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



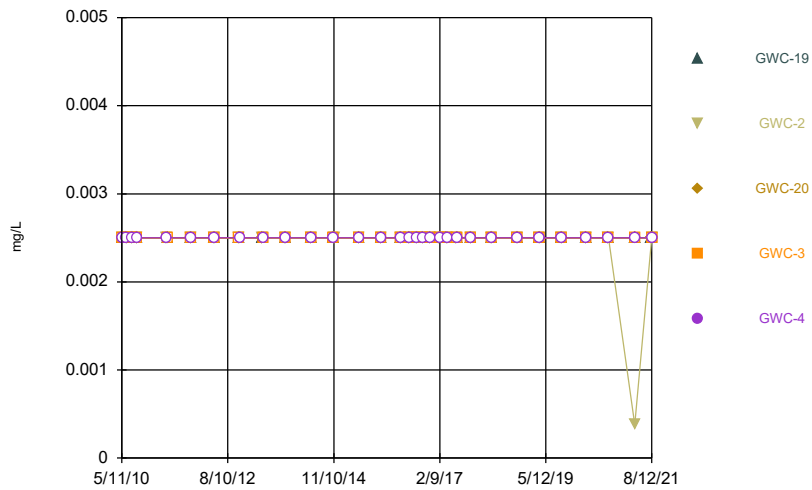
Constituent: Cadmium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



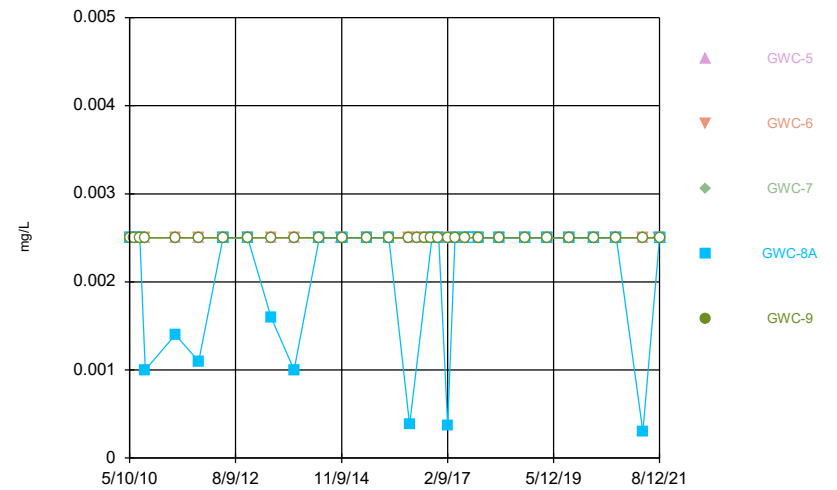
Constituent: Cadmium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



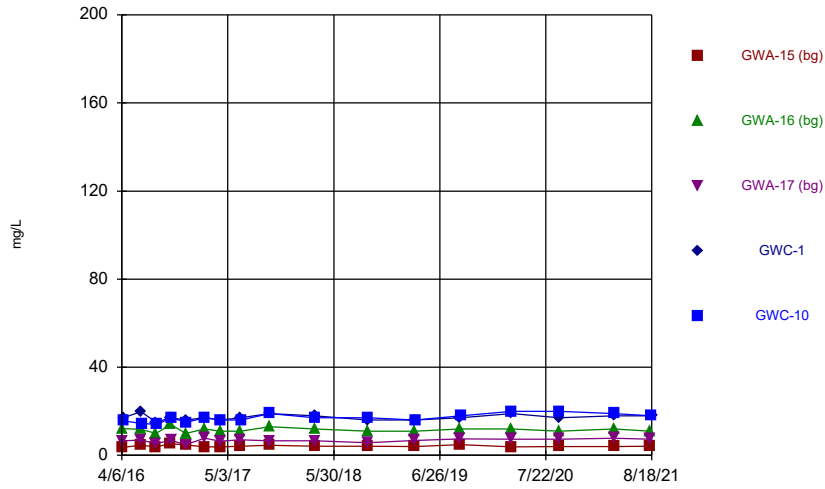
Constituent: Cadmium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



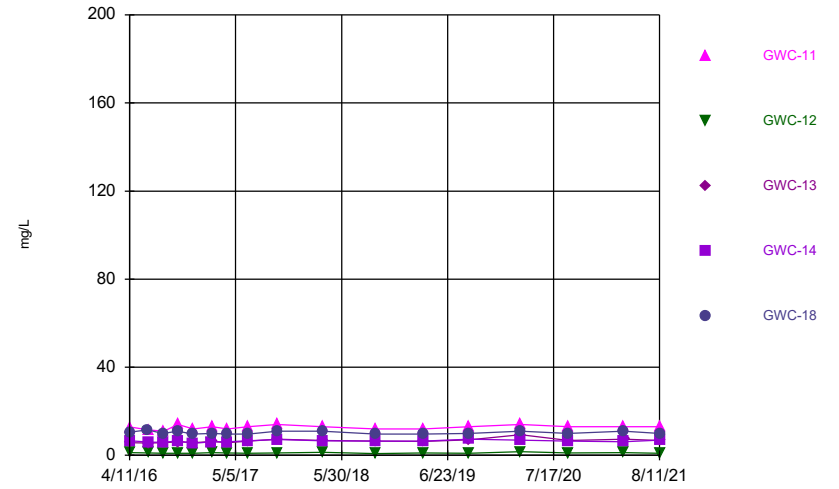
Constituent: Cadmium, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



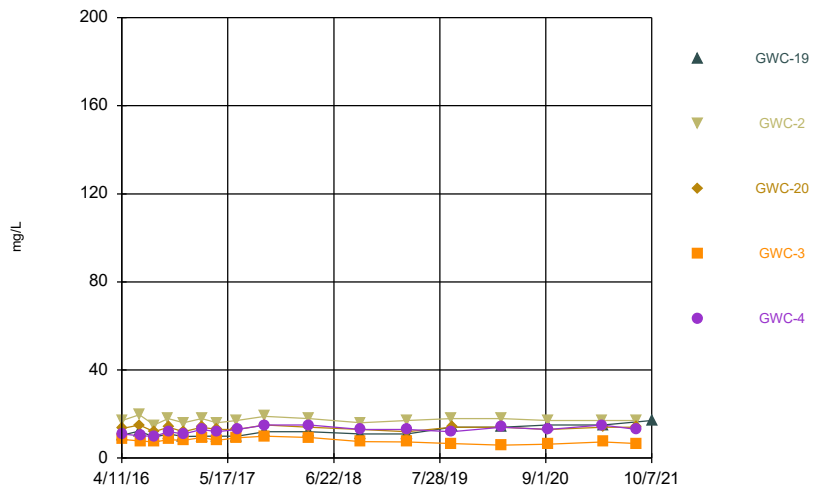
Constituent: Calcium Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



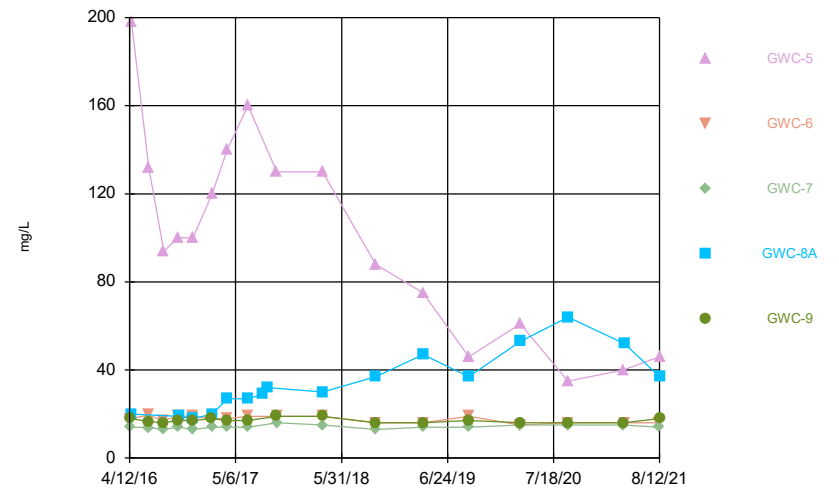
Constituent: Calcium Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



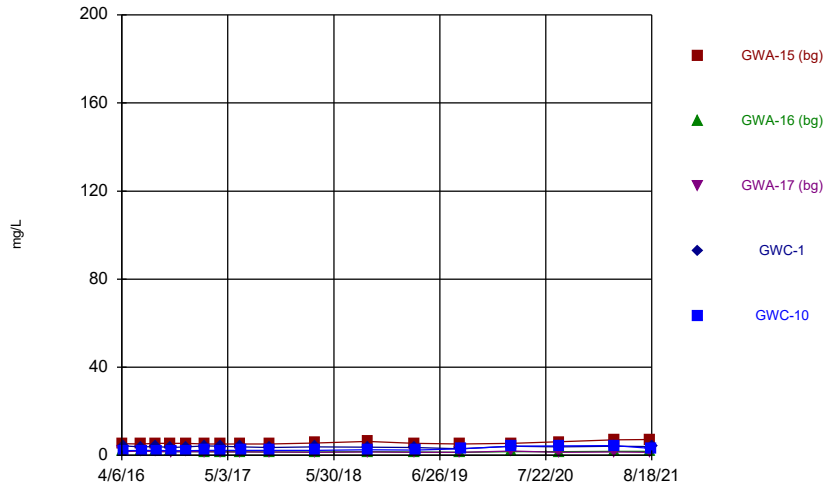
Constituent: Calcium Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



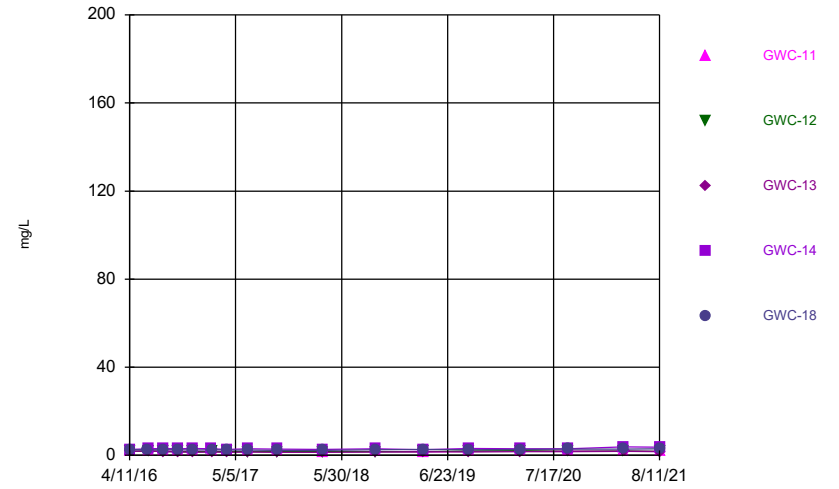
Constituent: Calcium Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



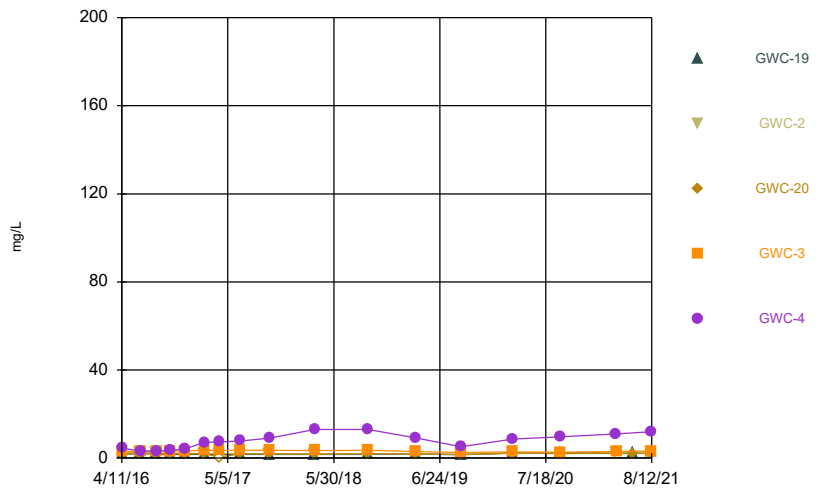
Constituent: Chloride Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



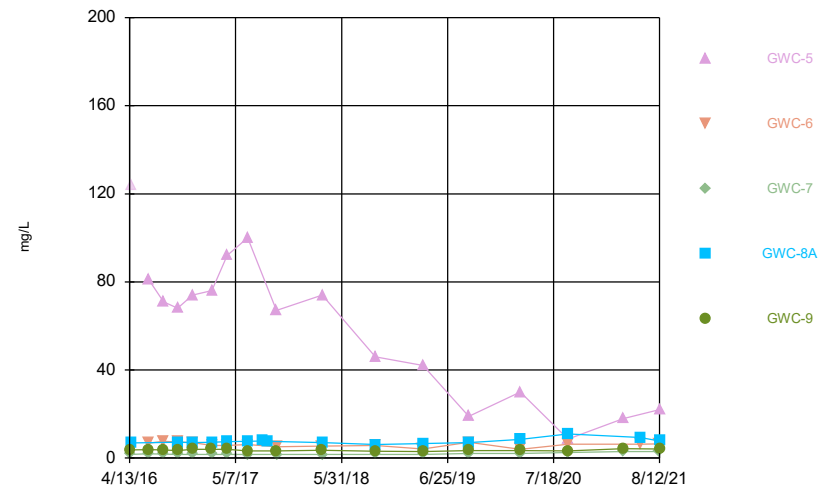
Constituent: Chloride Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



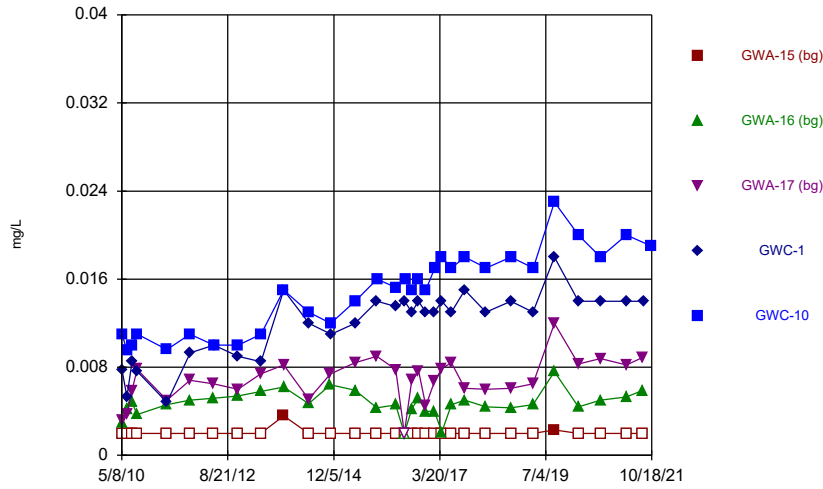
Constituent: Chloride Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series

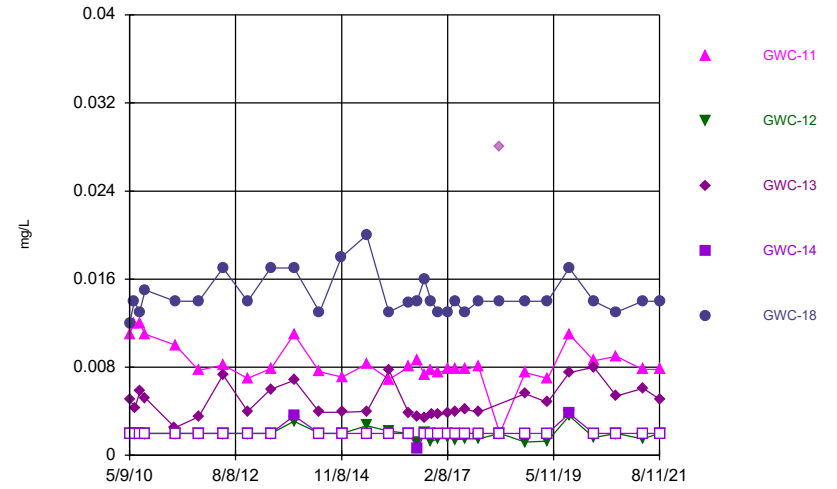


Constituent: Chloride Analysis Run 12/2/2021 2:57 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

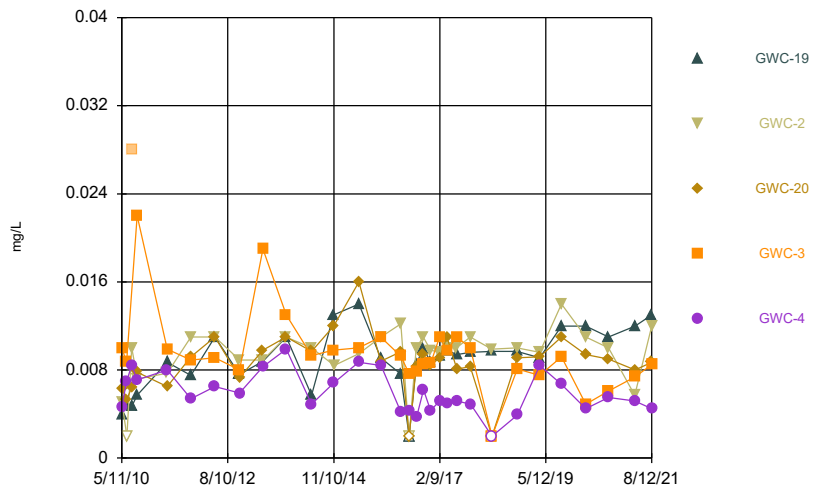
### Time Series



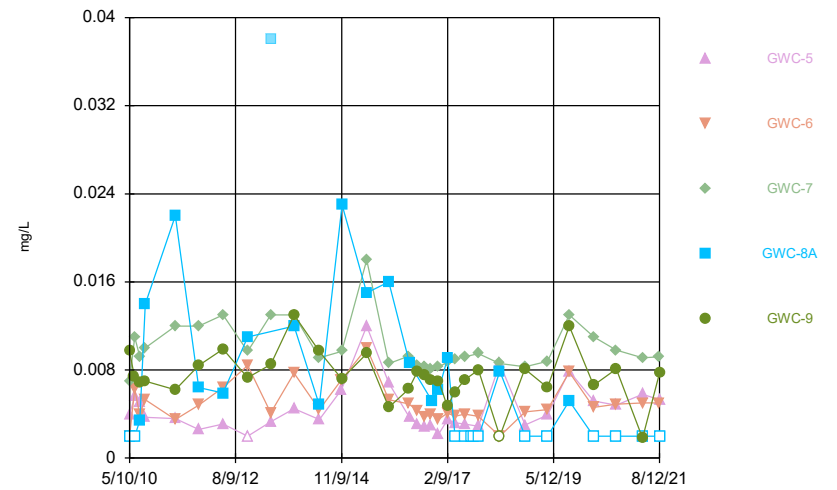
### Time Series



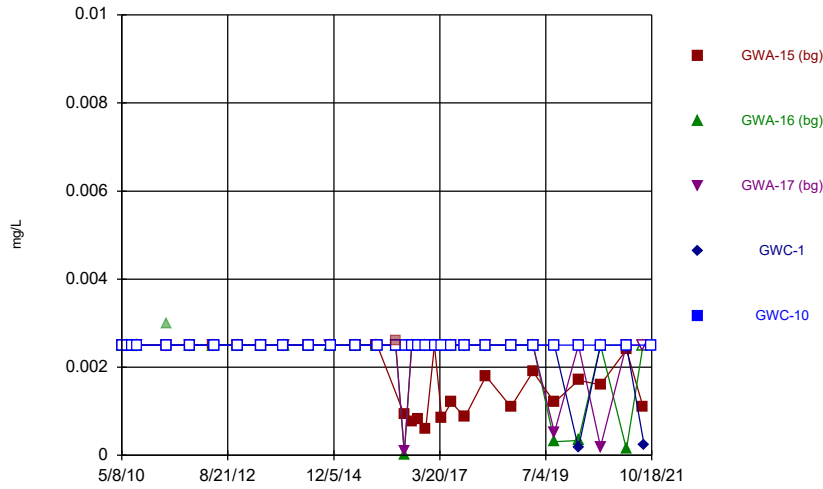
### Time Series



### Time Series

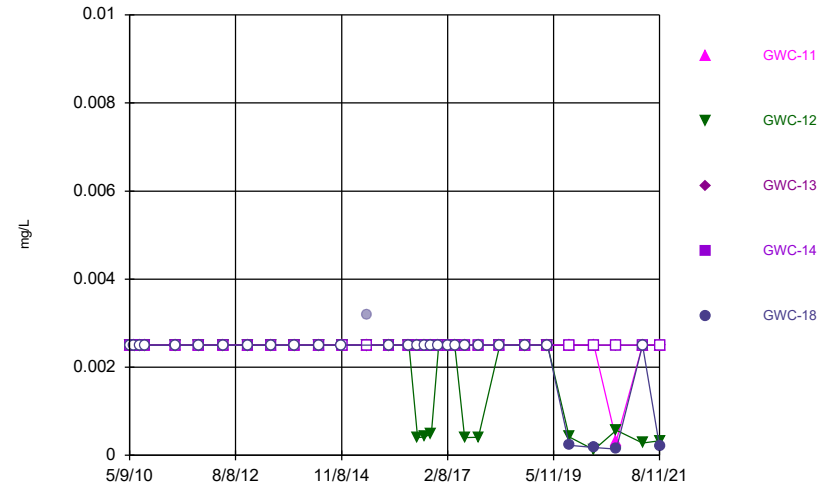


Time Series



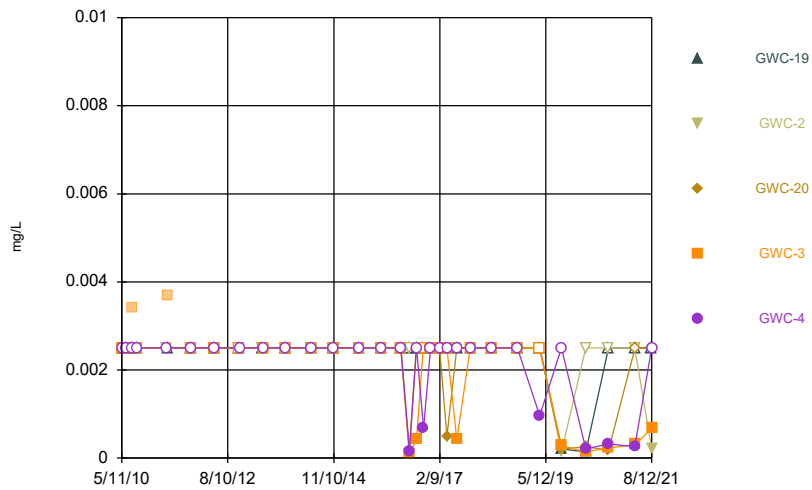
Constituent: Cobalt, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



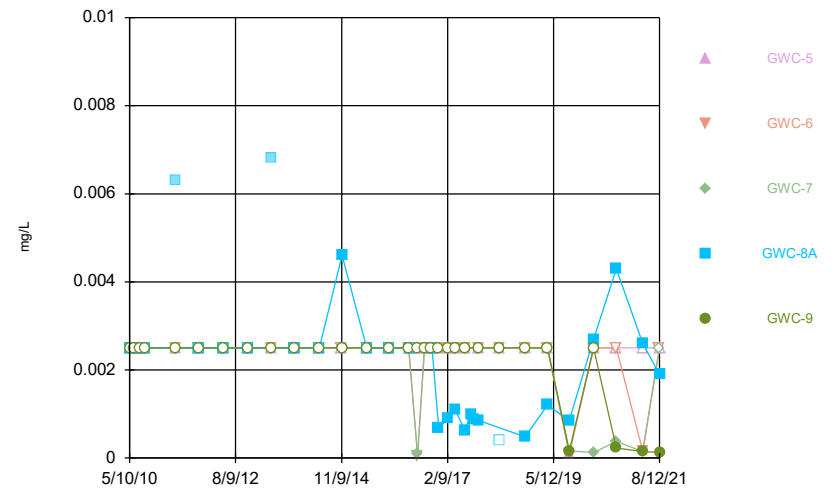
Constituent: Cobalt, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



Constituent: Cobalt, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

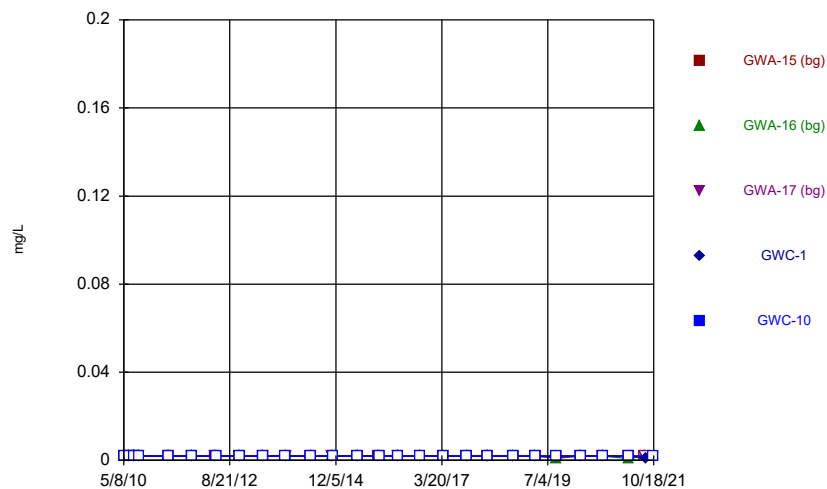
Time Series



Constituent: Cobalt, Total Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

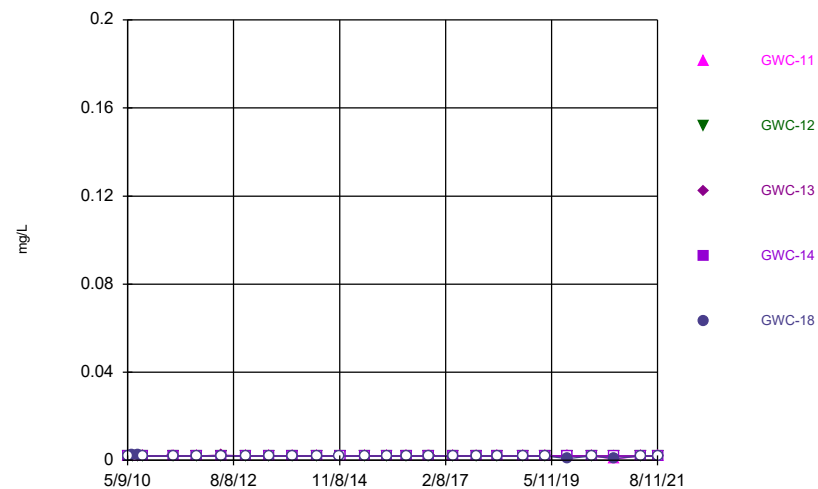


### Time Series



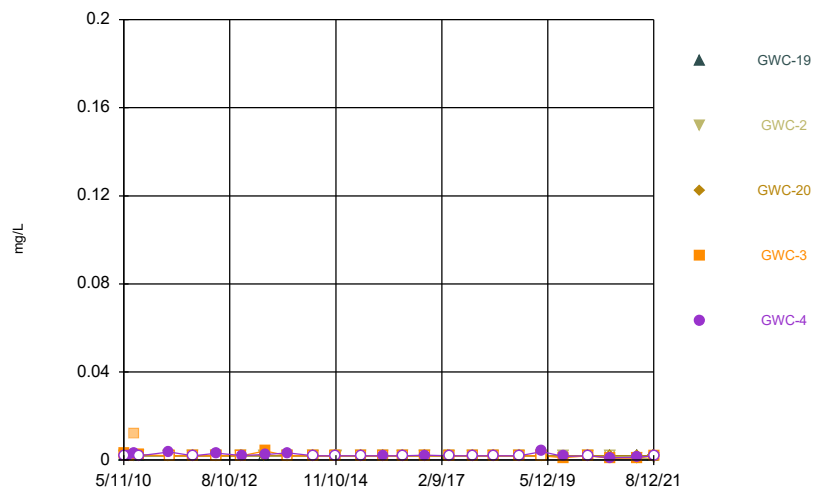
Constituent: Copper Analysis Run 12/2/2021 2:57 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



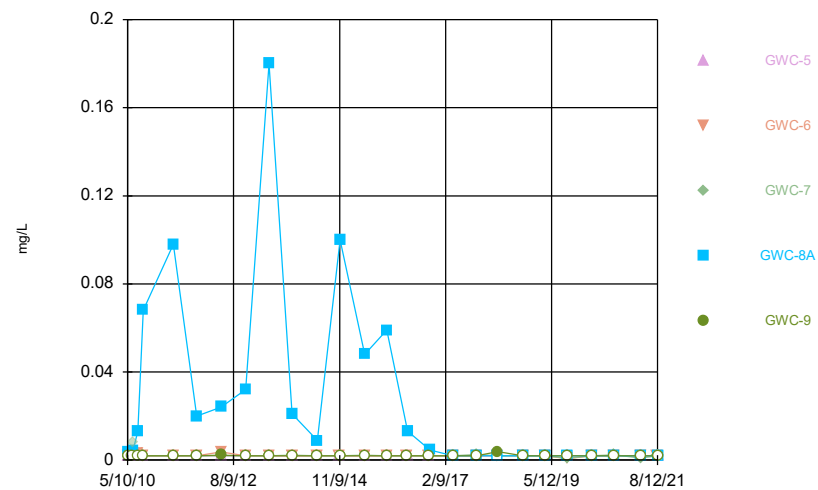
Constituent: Copper Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



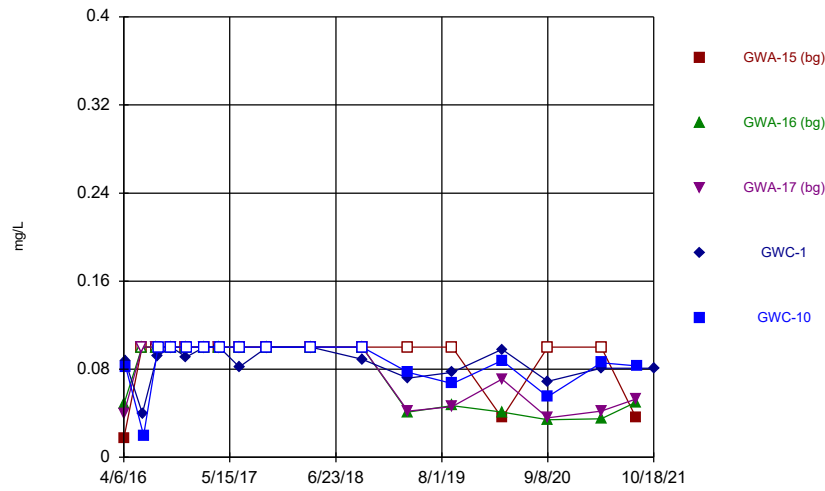
Constituent: Copper Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



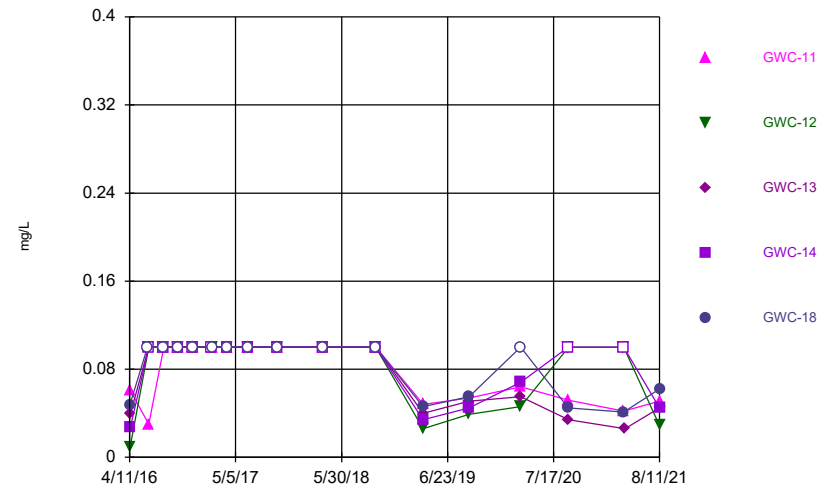
Constituent: Copper Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



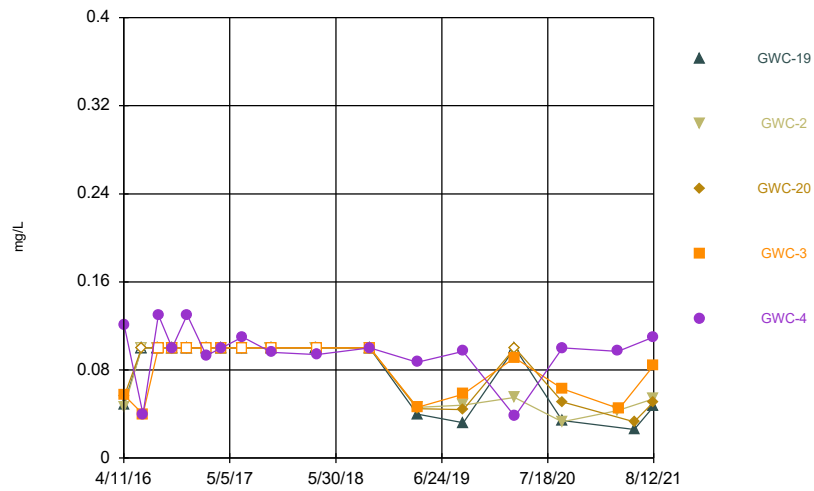
Constituent: Fluoride Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



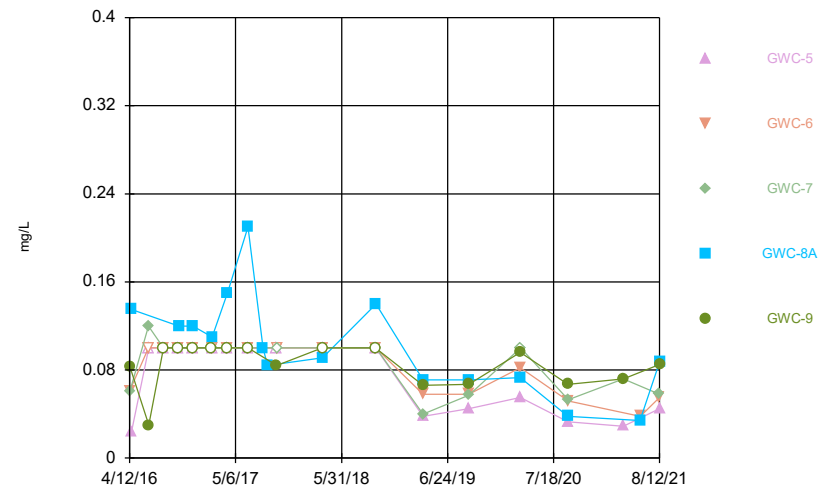
Constituent: Fluoride Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



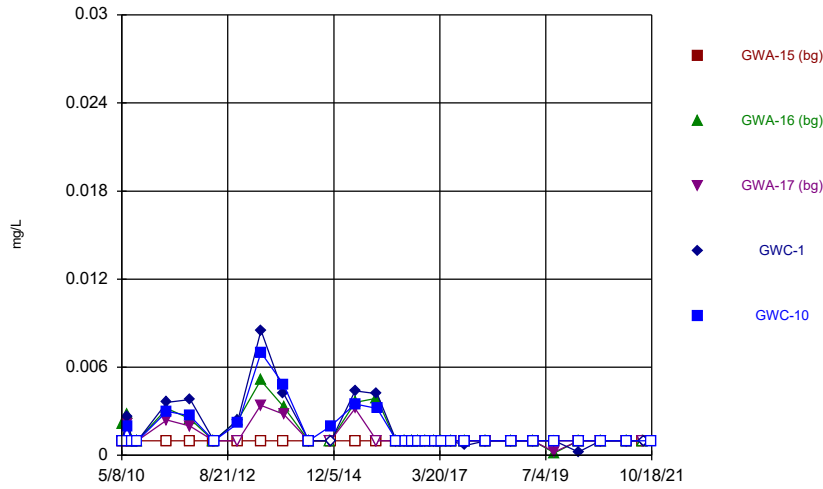
Constituent: Fluoride Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



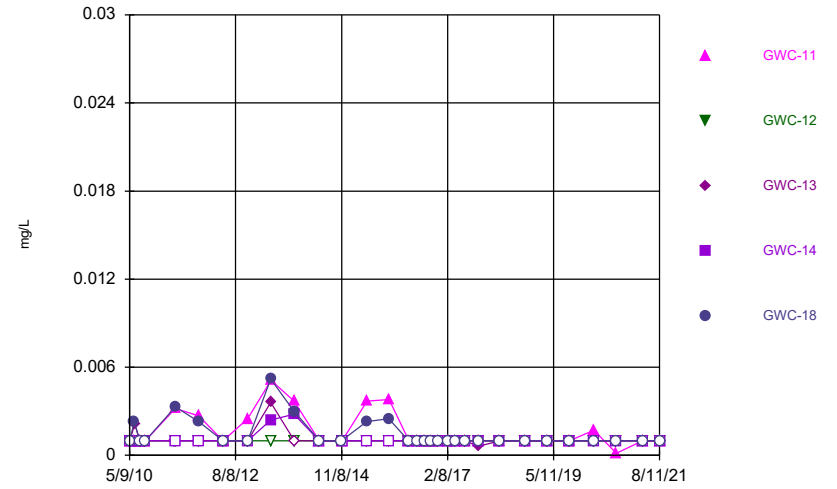
Constituent: Fluoride Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



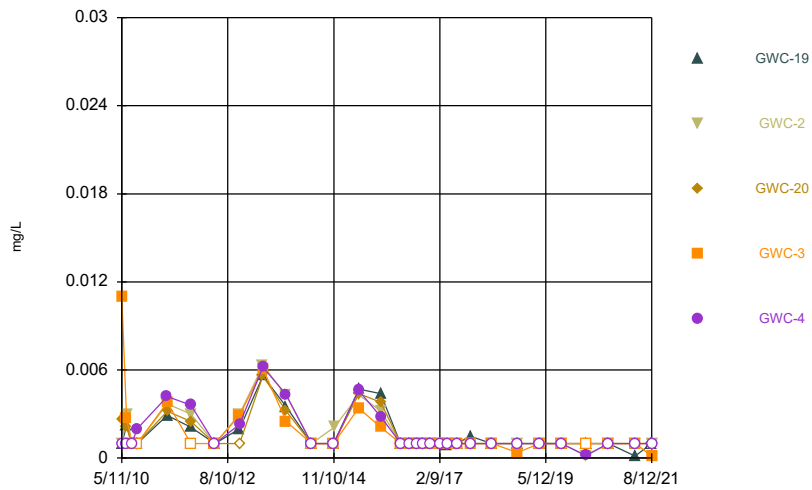
Constituent: Lead, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



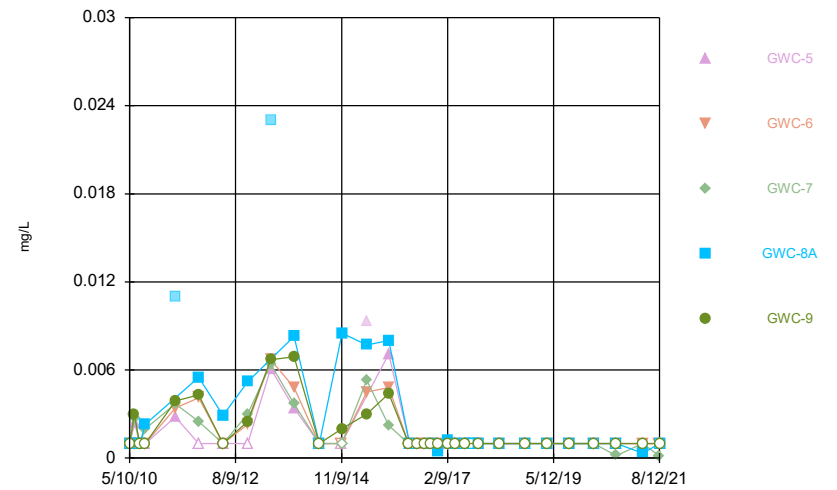
Constituent: Lead, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



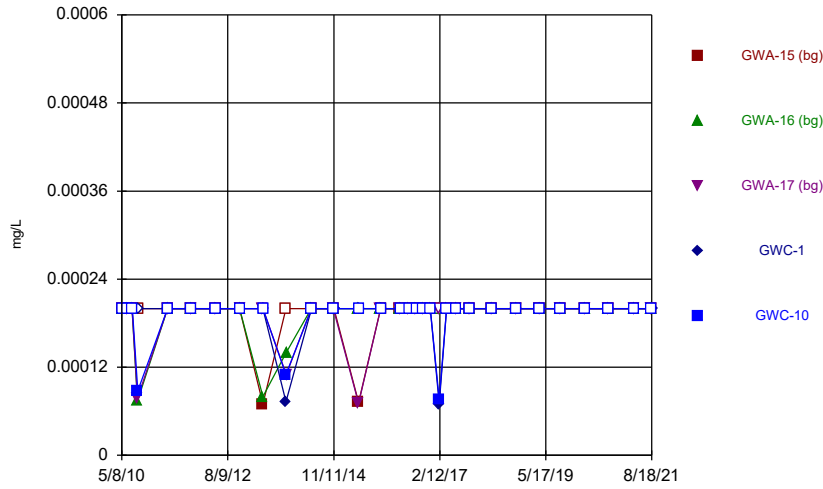
Constituent: Lead, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



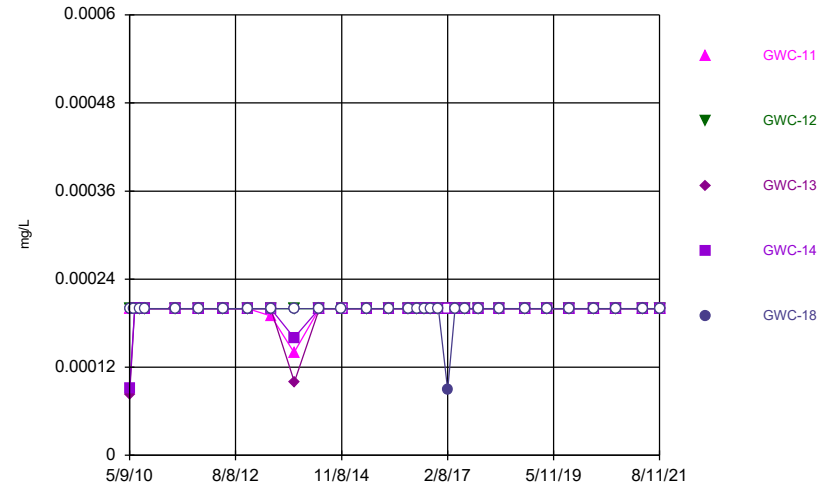
Constituent: Lead, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



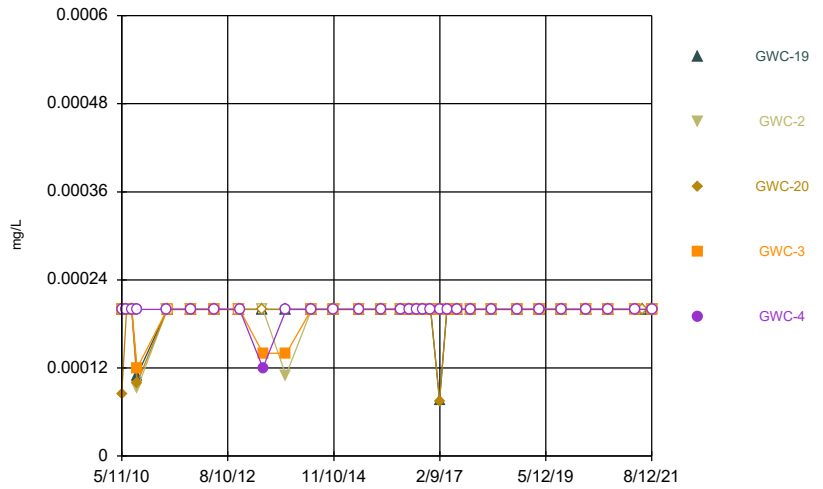
Constituent: Mercury Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



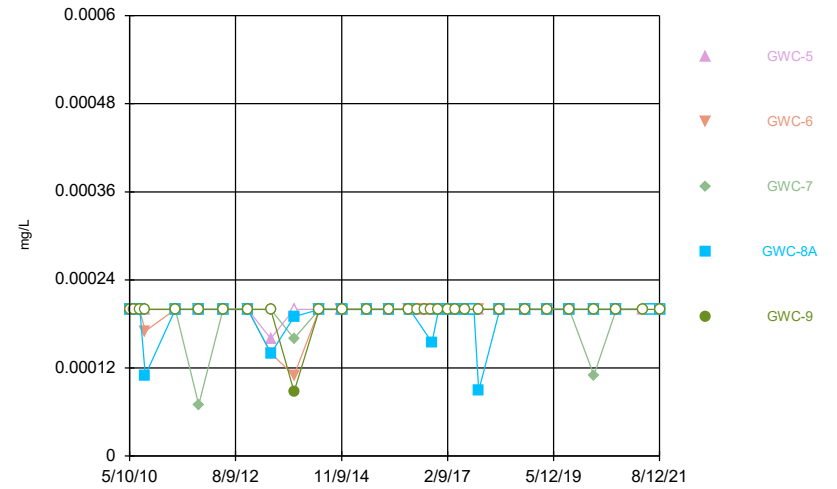
Constituent: Mercury Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



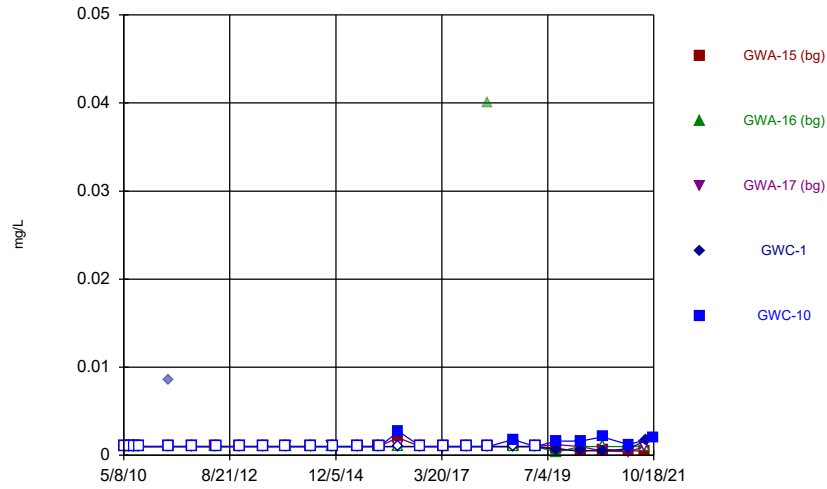
Constituent: Mercury Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series

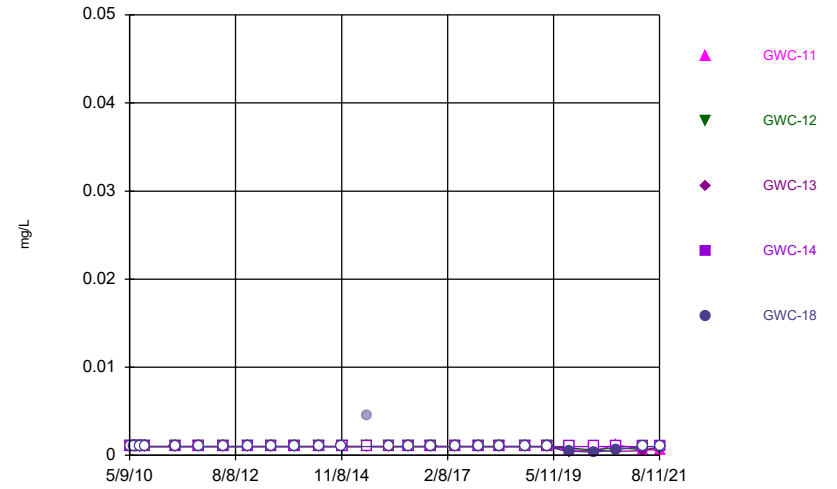


Constituent: Mercury Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

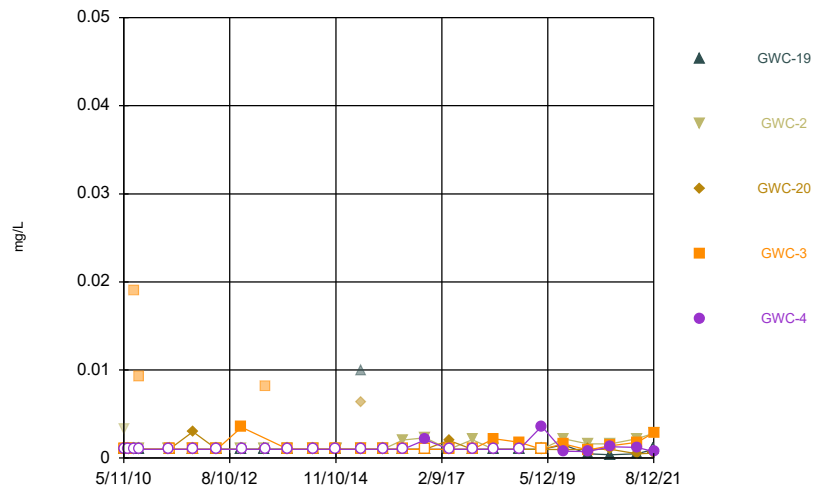
### Time Series



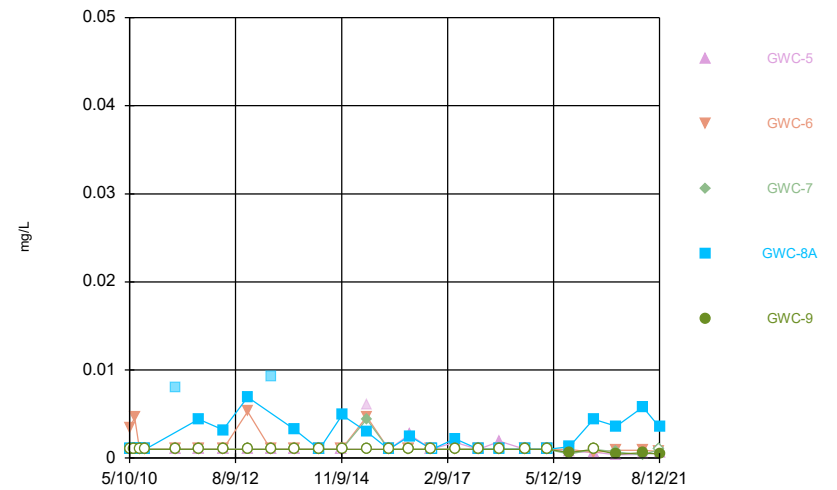
### Time Series



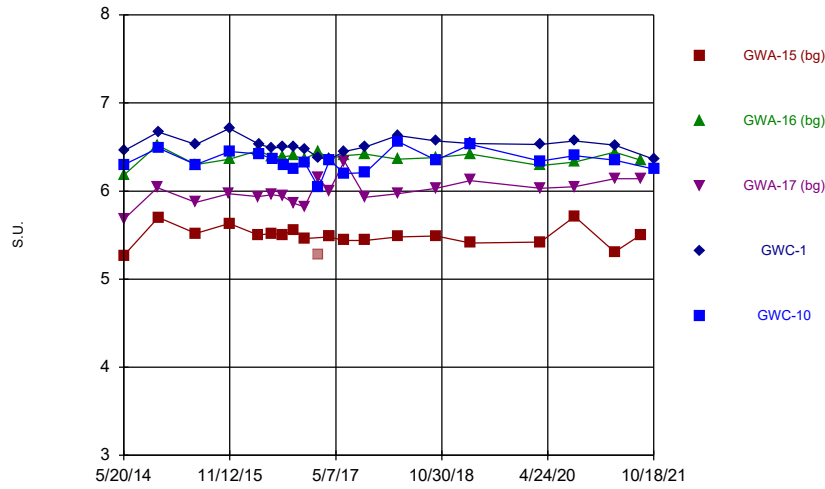
### Time Series



### Time Series

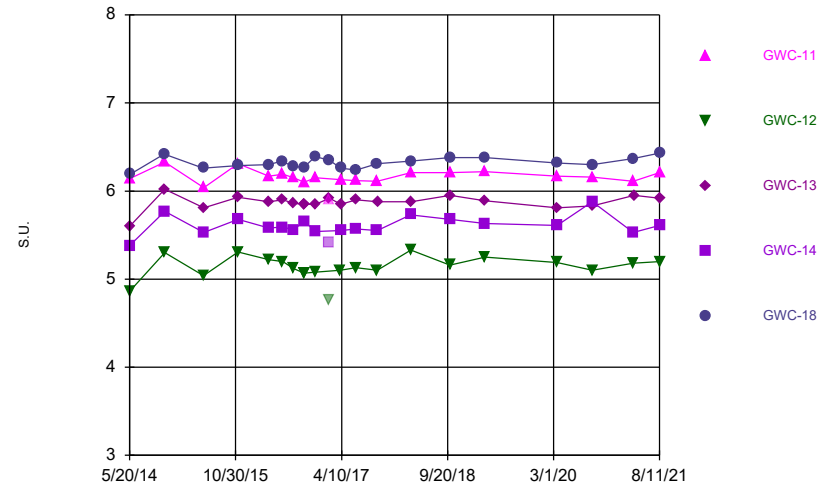


### Time Series



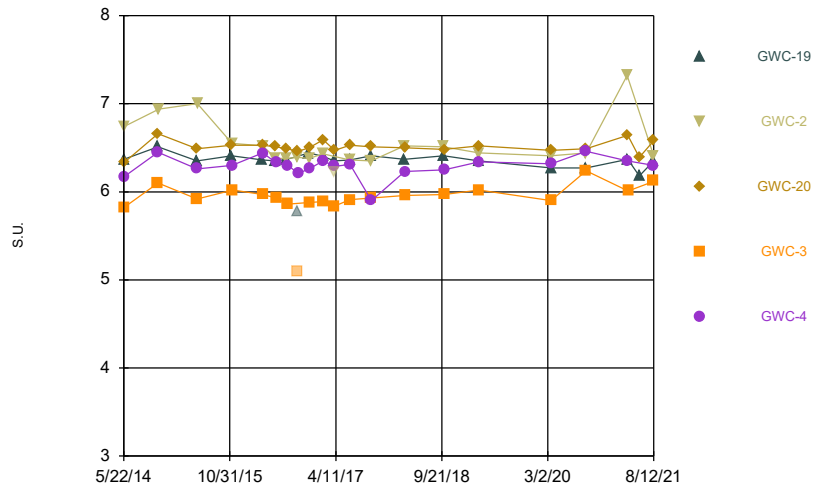
Constituent: pH Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



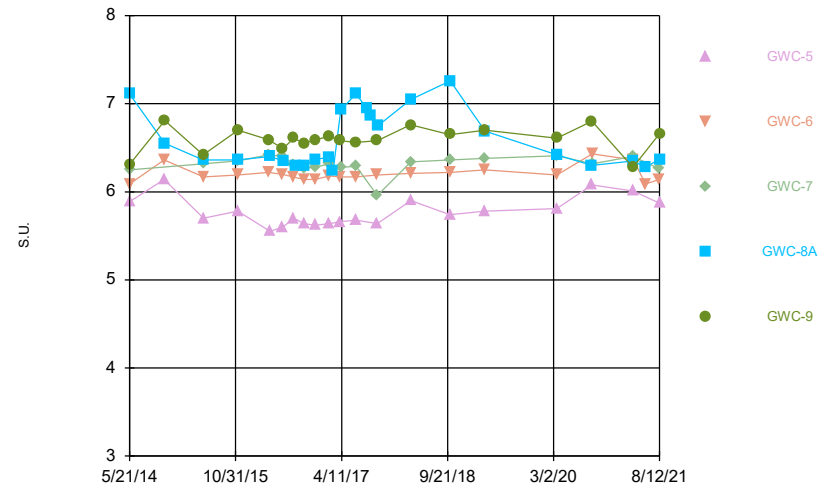
Constituent: pH Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



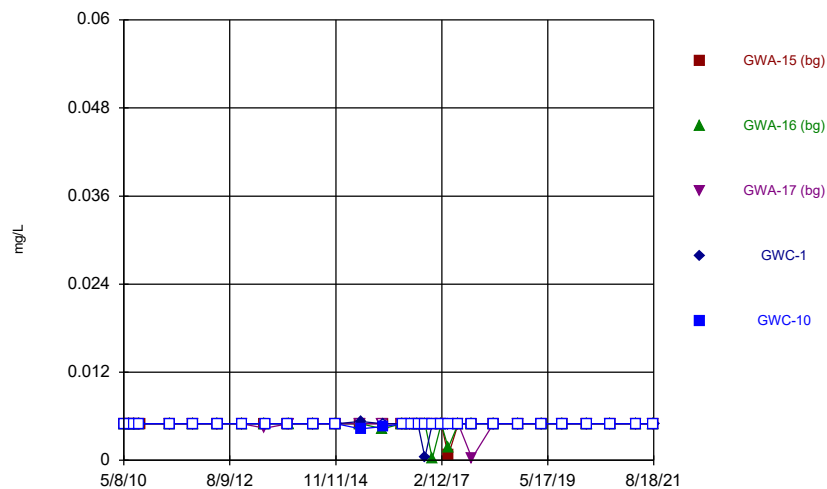
Constituent: pH Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



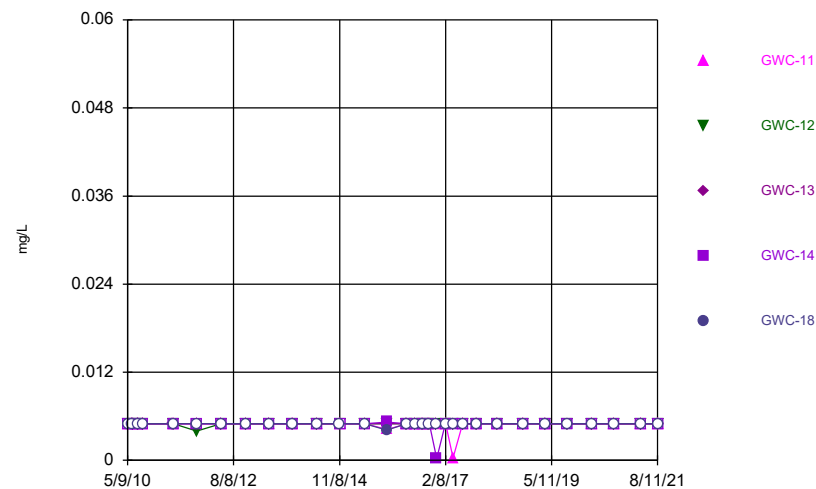
Constituent: pH Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



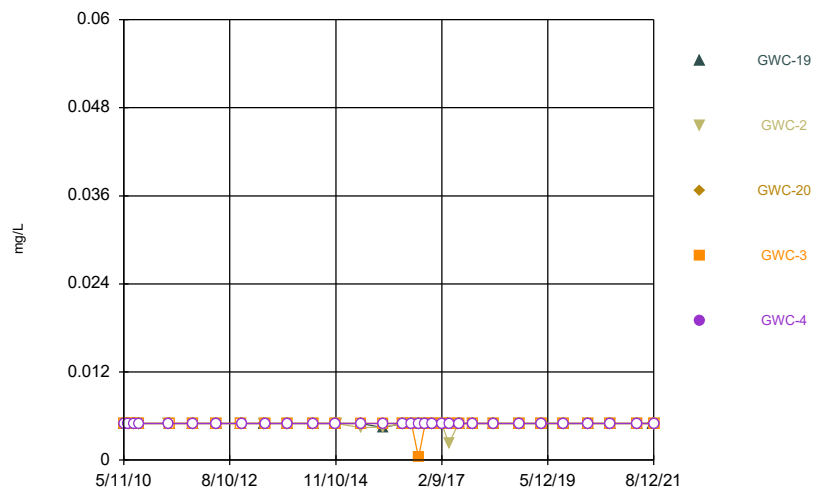
Constituent: Selenium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



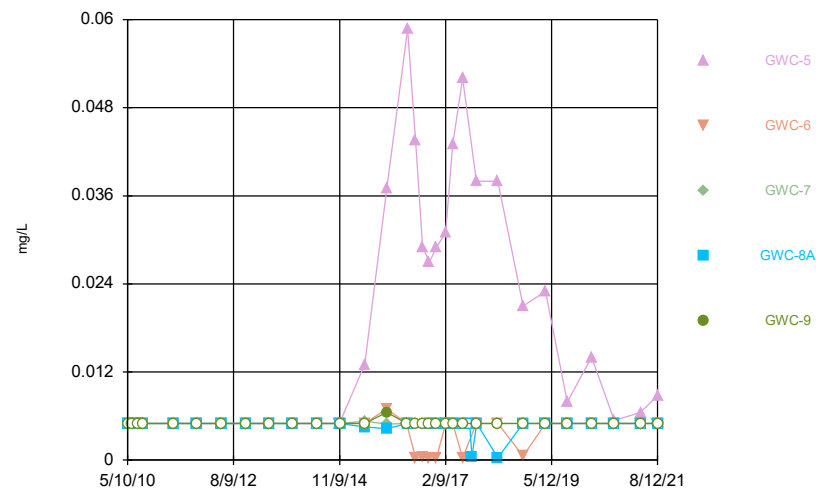
Constituent: Selenium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



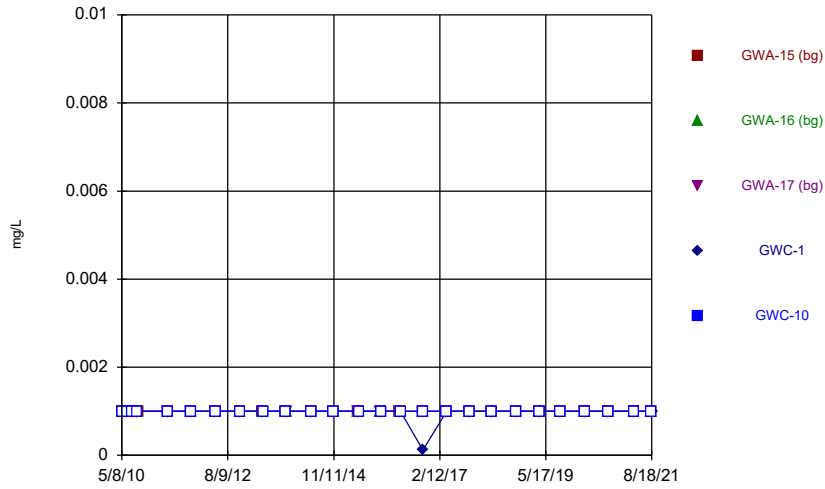
Constituent: Selenium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



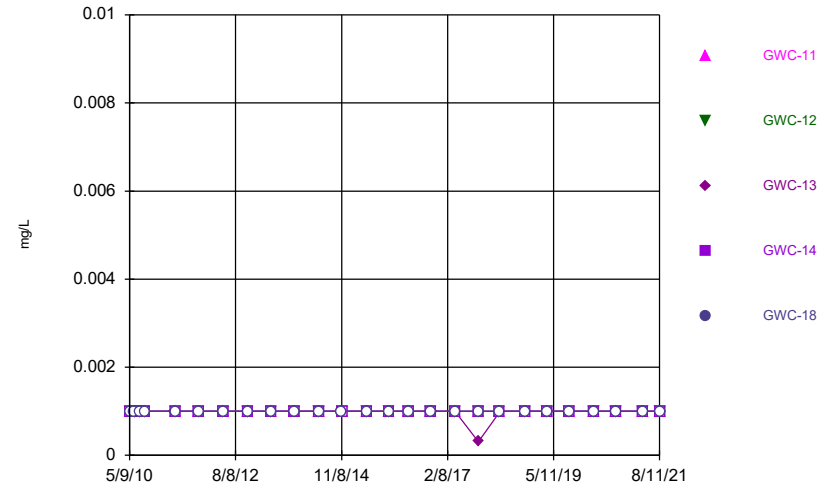
Constituent: Selenium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



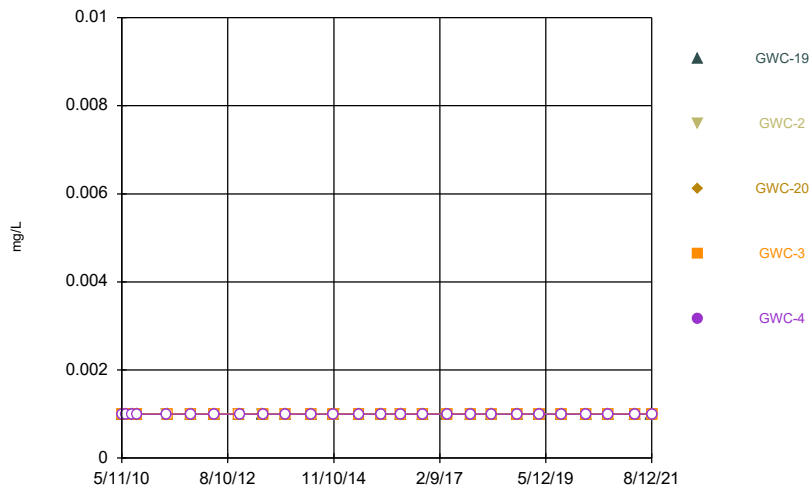
Constituent: Silver Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



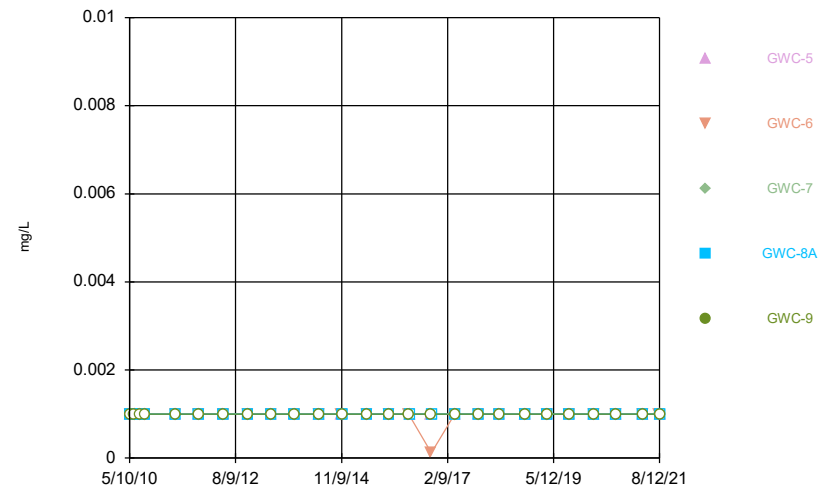
Constituent: Silver Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



Constituent: Silver Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

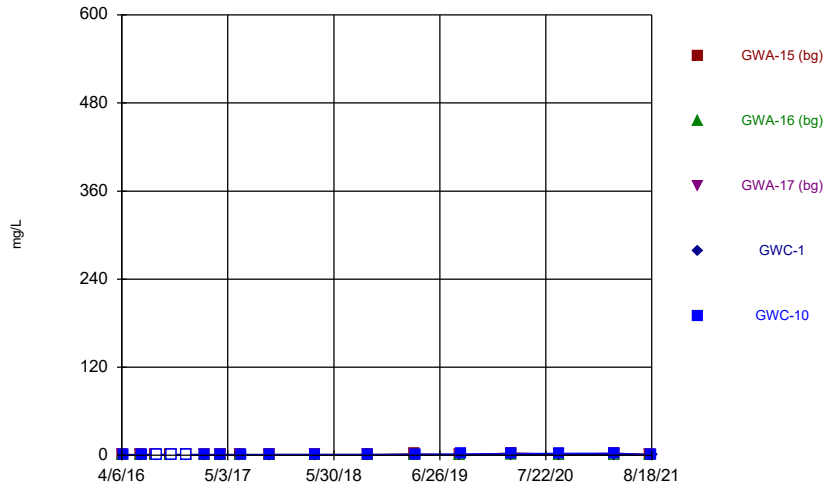
### Time Series



Constituent: Silver Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

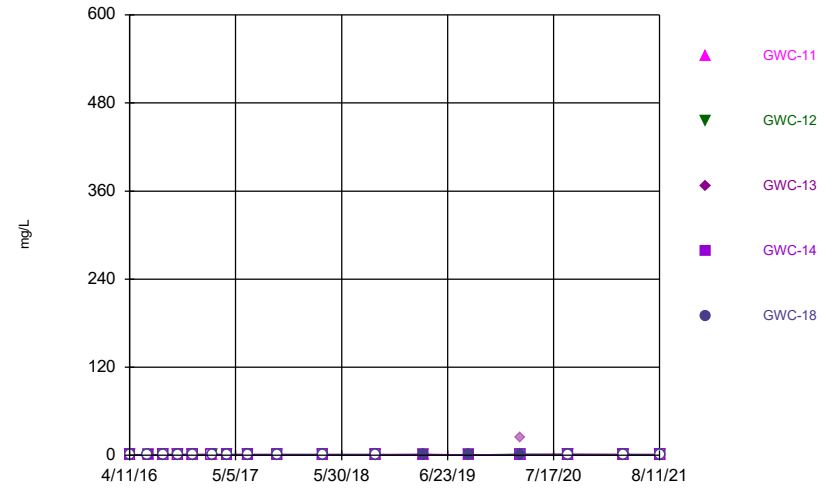


Time Series



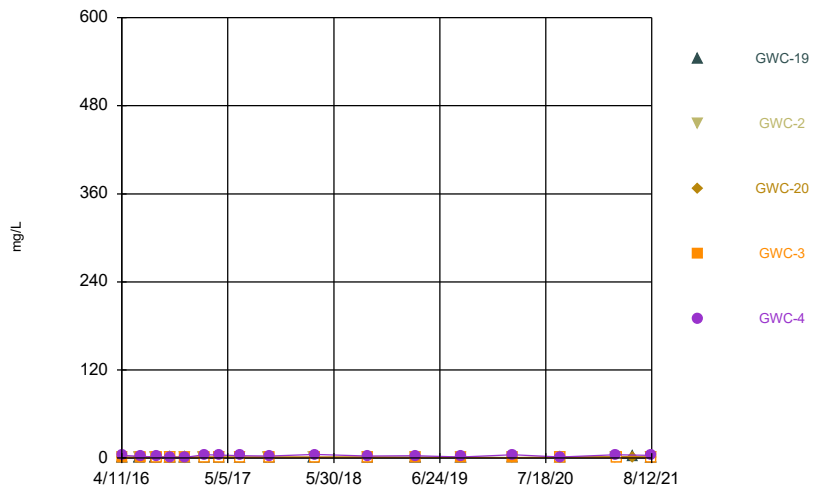
Constituent: Sulfate Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



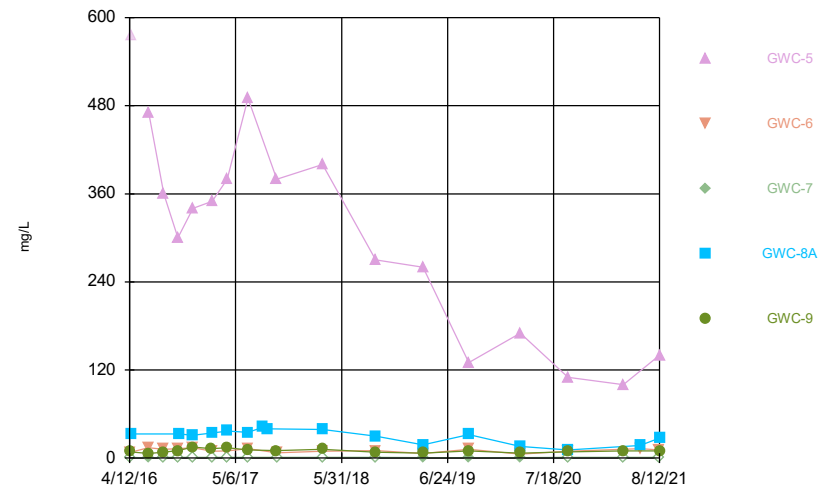
Constituent: Sulfate Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



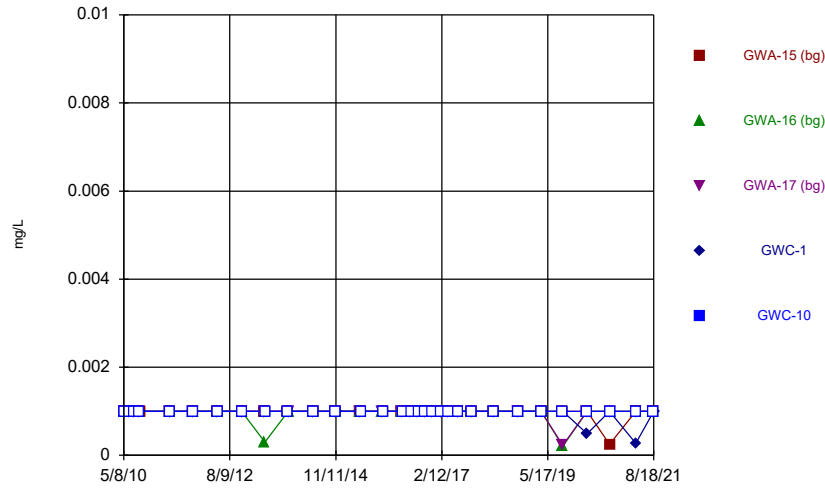
Constituent: Sulfate Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



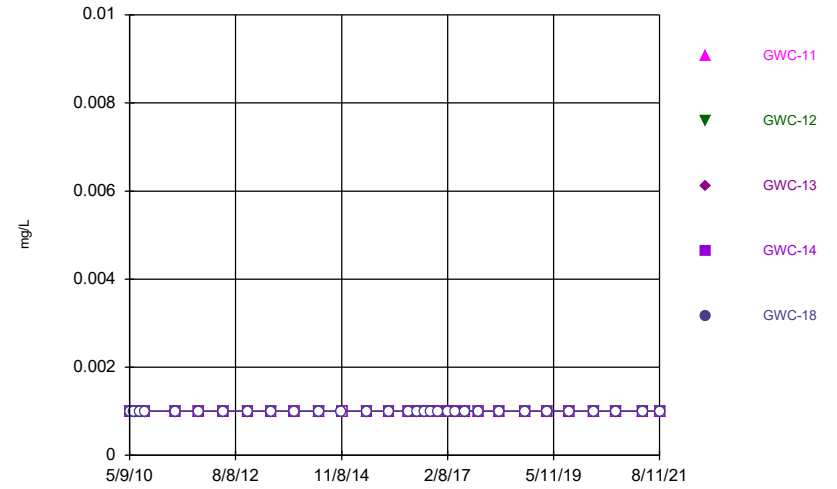
Constituent: Sulfate Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



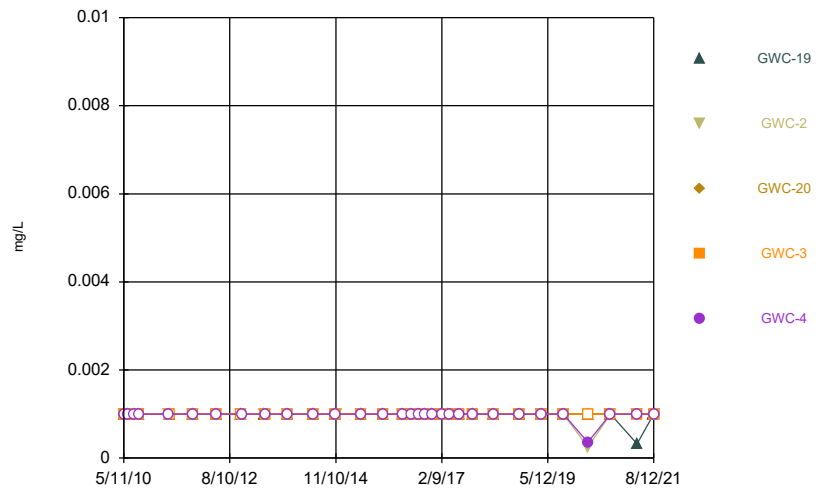
Constituent: Thallium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



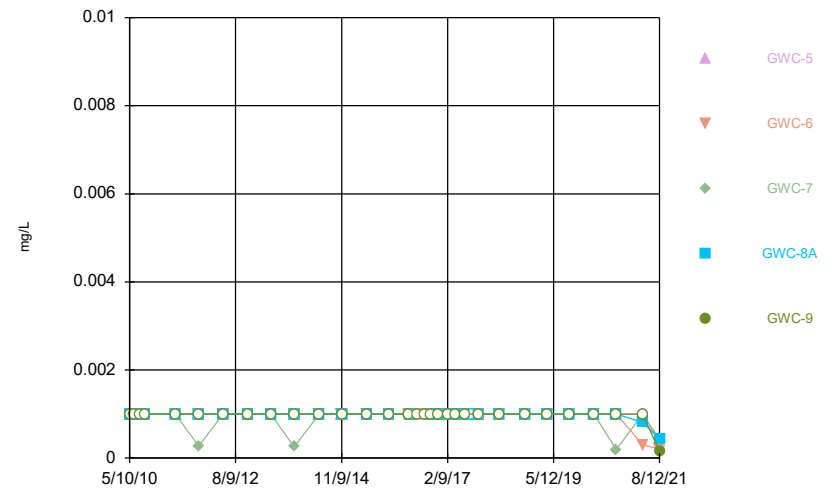
Constituent: Thallium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



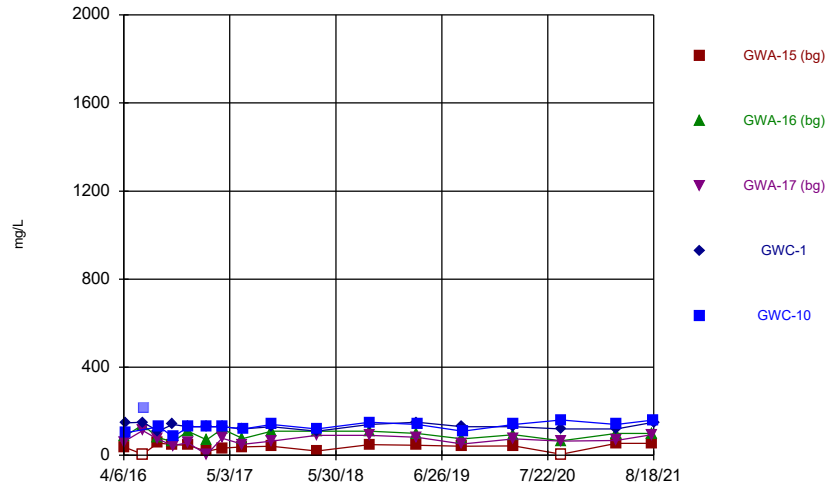
Constituent: Thallium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Time Series



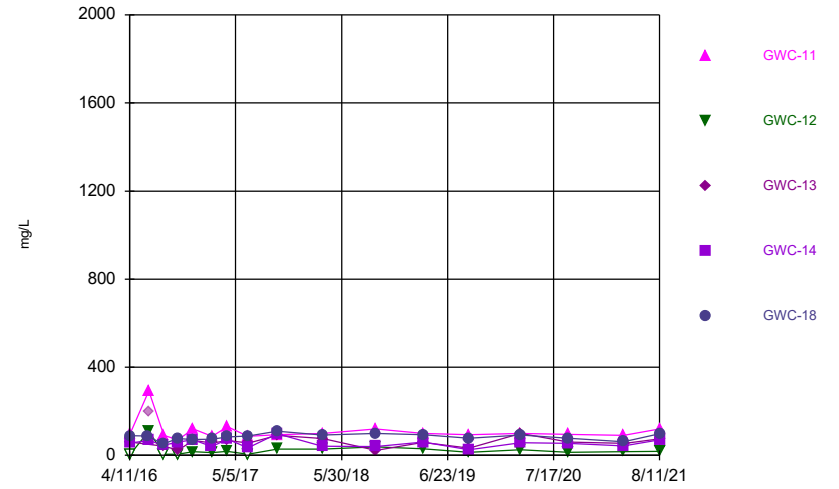
Constituent: Thallium, Total Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



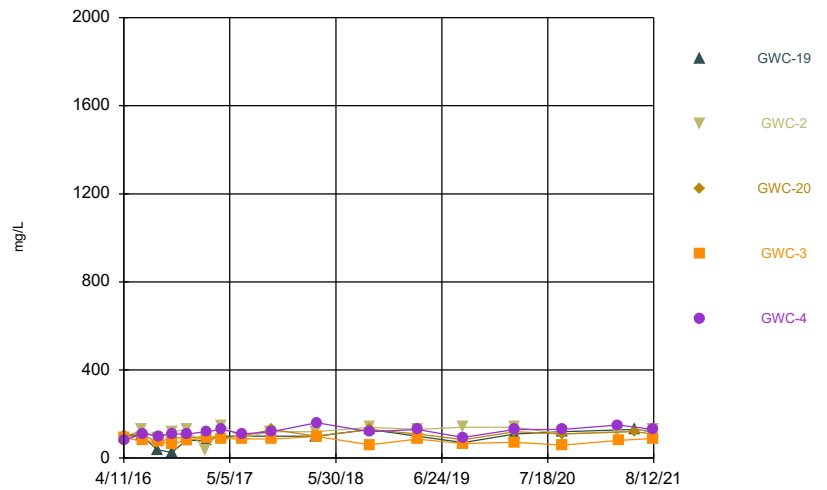
Constituent: Total Dissolved Solids Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



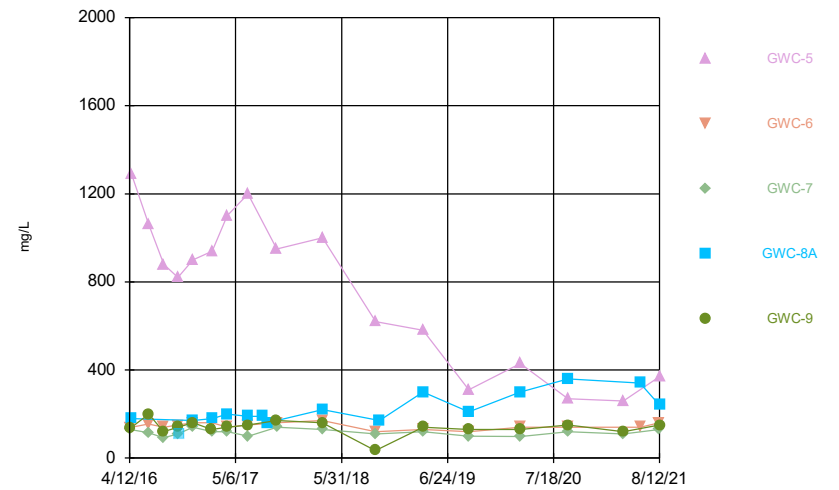
Constituent: Total Dissolved Solids Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



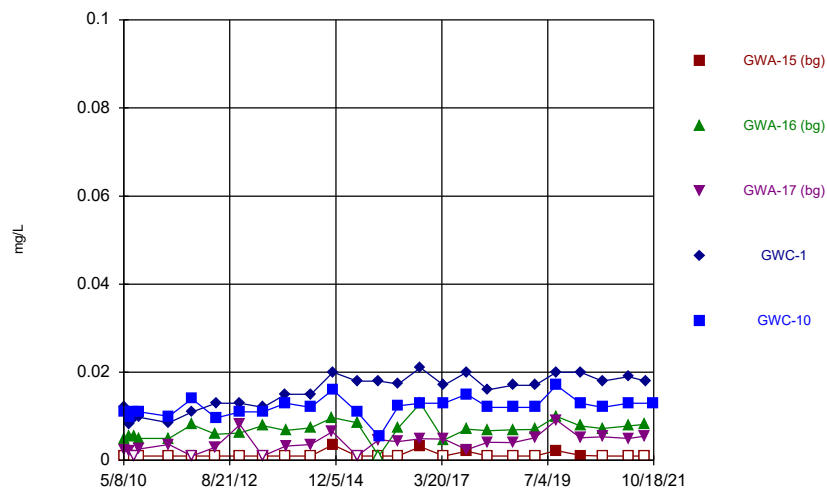
Constituent: Total Dissolved Solids Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



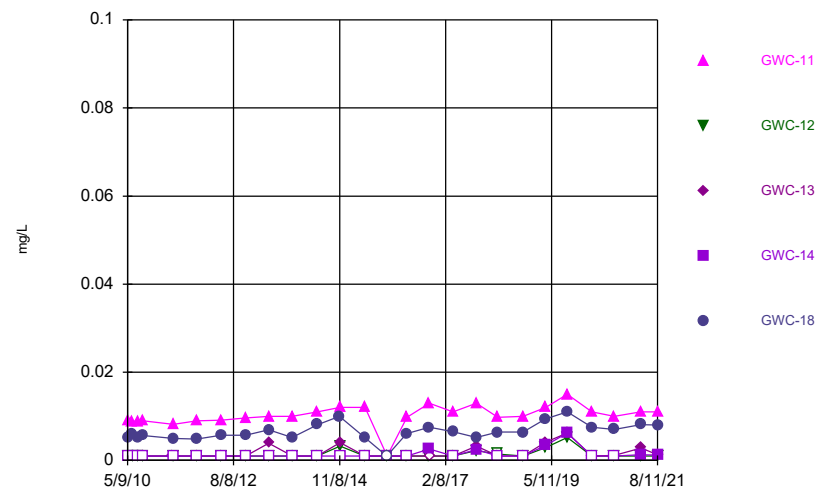
Constituent: Total Dissolved Solids Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



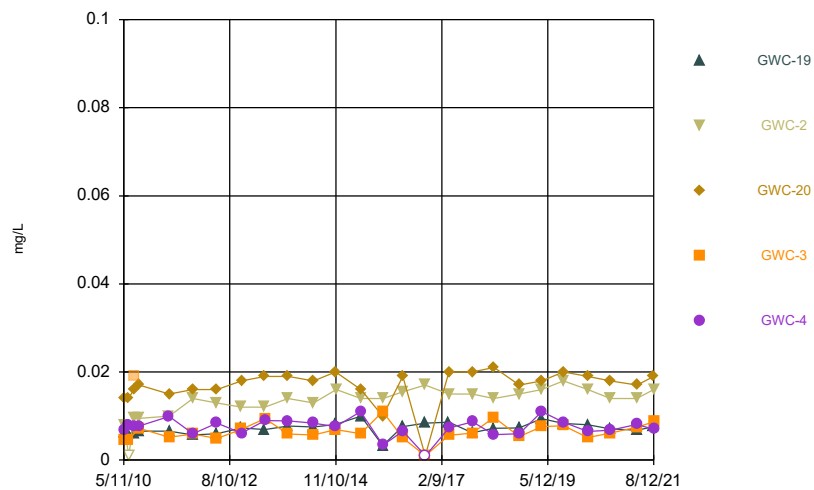
Constituent: Vanadium Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



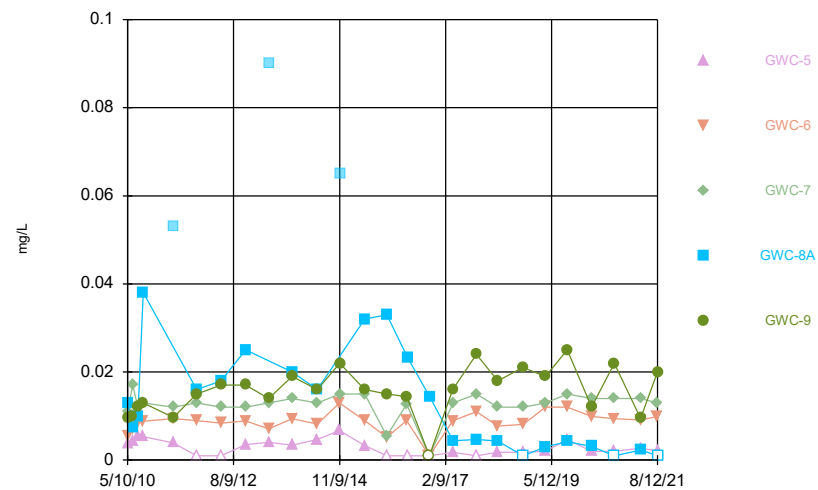
Constituent: Vanadium Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



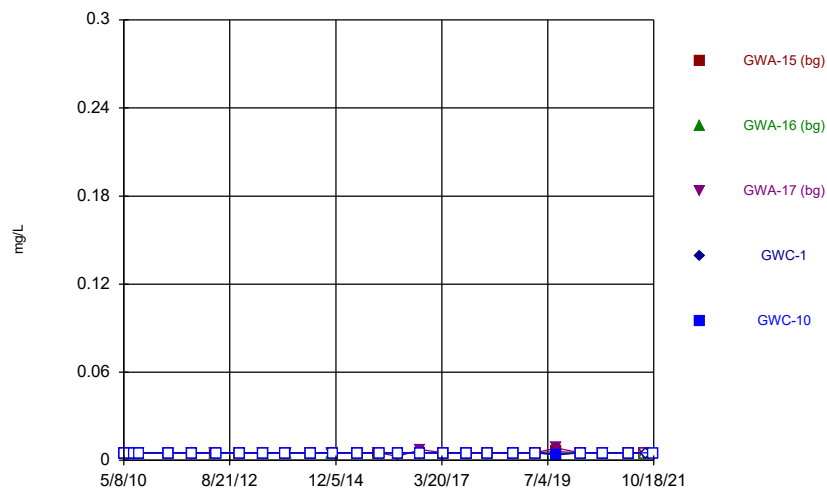
Constituent: Vanadium Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



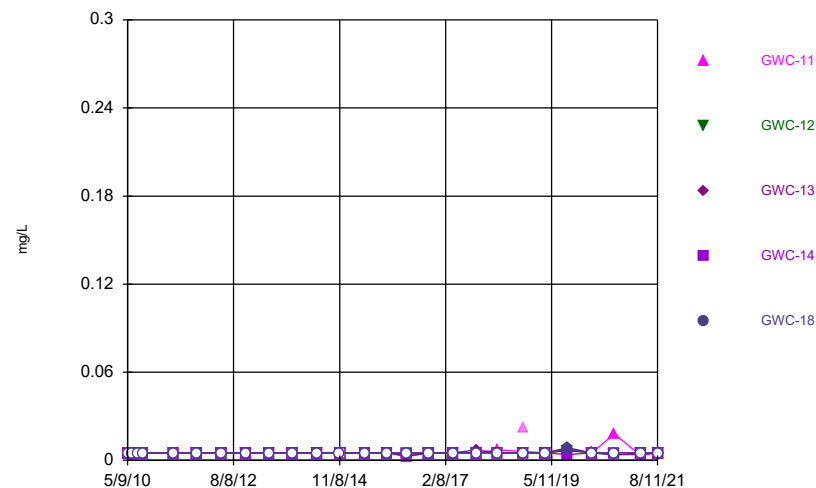
Constituent: Vanadium Analysis Run 12/2/2021 2:58 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



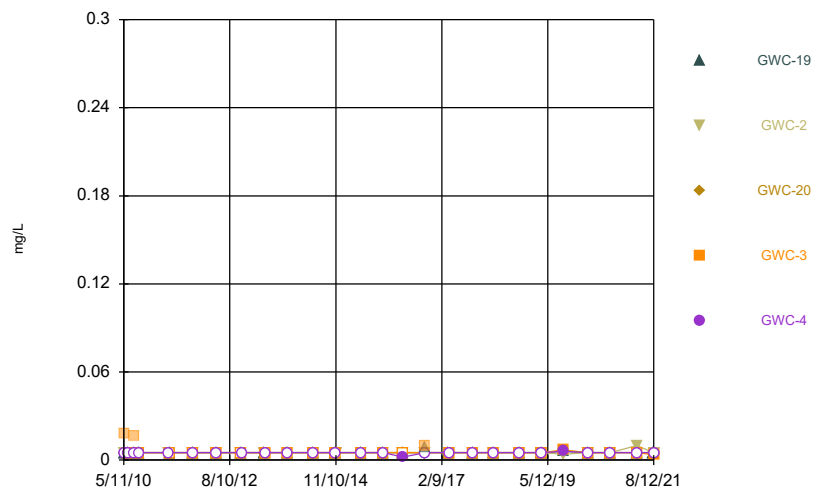
Constituent: Zinc Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



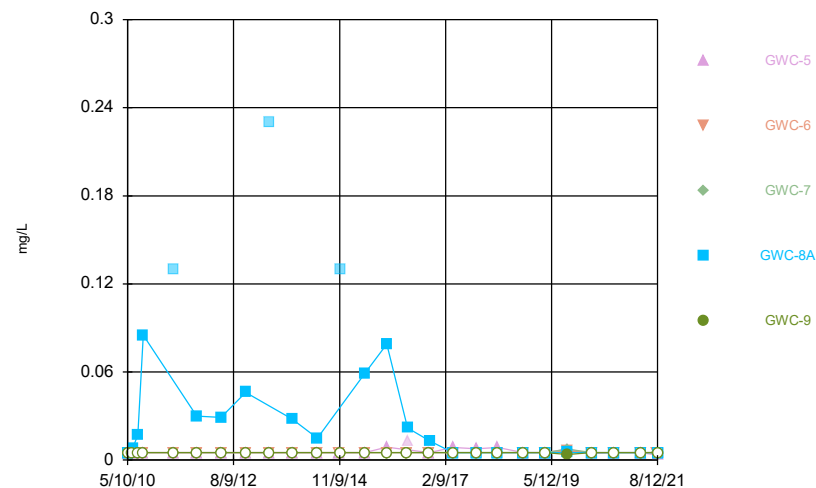
Constituent: Zinc Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



Constituent: Zinc Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Time Series



Constituent: Zinc Analysis Run 12/2/2021 2:58 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.002						
5/9/2010	<0.002	<0.002					<0.002	<0.002	<0.002
5/10/2010					<0.002	<0.002			
5/11/2010				<0.002					
6/16/2010		<0.002	<0.002		<0.002	<0.002			
6/17/2010				<0.002					
6/18/2010	<0.002						<0.002	<0.002	<0.002
7/26/2010			<0.002						
7/27/2010		<0.002		<0.002		<0.002	<0.002		
7/28/2010	<0.002				<0.002				<0.002
7/29/2010								<0.002	
9/7/2010		<0.002	<0.002						
9/8/2010					<0.002	<0.002	<0.002		
9/9/2010	<0.002			<0.002				<0.002	<0.002
4/26/2011								<0.002	
4/28/2011				<0.002					
4/29/2011		<0.002	<0.002		<0.002	<0.002	<0.002		
4/30/2011	<0.002								<0.002
10/27/2011					<0.002	<0.002			
10/28/2011	<0.002	<0.002	<0.002				<0.002	<0.002	<0.002
10/29/2011				<0.002					
5/2/2012	<0.002	<0.002	<0.002						
5/3/2012				<0.002			<0.002		<0.002
5/4/2012					<0.002	<0.002		<0.002	
11/9/2012	<0.002	<0.002	<0.002	<0.002					
11/10/2012						<0.002	<0.002		<0.002
11/11/2012					<0.002			<0.002	<0.002
5/8/2013	<0.002	<0.002	<0.002					<0.002	<0.002
5/9/2013				<0.002	<0.002	<0.002	<0.002		
11/5/2013	<0.002			<0.002	<0.002				<0.002
11/6/2013		<0.002	<0.002			<0.002	<0.002		
11/7/2013								<0.002	
5/20/2014	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
5/21/2014					<0.002				
5/23/2014				<0.002					
11/8/2014		<0.002	<0.002						
11/12/2014	<0.002				<0.002	<0.002	<0.002	<0.002	<0.002
11/13/2014				<0.002					
5/22/2015	<0.002	<0.002	<0.002						
5/23/2015				<0.002	<0.002		<0.002		
5/24/2015						<0.002		<0.002	<0.002
11/9/2015		<0.002	<0.002						
11/11/2015	<0.002			<0.002					<0.002
11/12/2015					<0.002	<0.002	<0.002	<0.002	
4/6/2016	<0.002	<0.002	<0.002						
4/12/2016				<0.002					
4/13/2016					<0.002 (D)	<0.002 (D)	0.000646 (JD)	<0.002 (D)	<0.002 (D)
6/15/2016	<0.002	<0.002	<0.002						
6/16/2016				<0.002					
6/21/2016					<0.002	<0.002	<0.002	<0.002	<0.002
8/10/2016	<0.002	<0.002	<0.002						
8/11/2016				<0.002					

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.002	<0.002	<0.002	<0.002	<0.002
10/4/2016	<0.002	<0.002		<0.002					<0.002
10/5/2016			<0.002		<0.002	<0.002	<0.002		
10/7/2016								<0.002	
11/29/2016		<0.002	<0.002						
11/30/2016	<0.002			<0.002					
12/1/2016					<0.002	<0.002	<0.002	<0.002	<0.002
2/7/2017	<0.002	0.001 (J)	<0.002	<0.002					<0.002
2/8/2017					<0.002	<0.002	<0.002		
2/9/2017								<0.002	
4/4/2017	<0.002	<0.002	<0.002						
4/5/2017				<0.002			<0.002		
4/6/2017					<0.002	<0.002		<0.002	<0.002
6/20/2017	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002		<0.002
6/21/2017					<0.002				
6/22/2017								<0.002	
10/4/2017	<0.002			<0.002					
10/5/2017		<0.002	<0.002		<0.002	<0.002	<0.002		<0.002
10/6/2017								<0.002	
3/20/2018	<0.002 (D)	<0.002	<0.002	<0.002					<0.002
3/21/2018					<0.002	<0.002	<0.002 (D)		
3/22/2018								<0.002	
10/2/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
10/3/2018								<0.002	
3/26/2019	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
3/27/2019					<0.002	<0.002			
9/10/2019	<0.002	<0.002	<0.002	<0.002					
9/11/2019					<0.002	<0.002	<0.002	<0.002	<0.002
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002				<0.002
9/10/2020						<0.002	<0.002	<0.002	
4/1/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
4/6/2021								<0.002	
8/11/2021	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
8/17/2021					<0.002				
8/18/2021				<0.002					

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.002								<0.002
5/11/2010		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
6/16/2010	<0.002	<0.002							
6/17/2010				<0.002	<0.002	<0.002			
6/18/2010							<0.002	<0.002	<0.002
6/19/2010			<0.002						
7/26/2010	<0.002								
7/27/2010		<0.002	<0.002	<0.002			<0.002	<0.002	
7/28/2010					<0.002	<0.002			<0.002
9/7/2010	<0.002	<0.002		<0.002	<0.002				
9/8/2010						<0.002			
9/9/2010			<0.002				<0.002	<0.002	<0.002
4/28/2011			<0.002			<0.002			
4/29/2011	<0.002	<0.002		<0.002	<0.002		<0.002		
4/30/2011								<0.002	<0.002
10/28/2011	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002		
10/29/2011						<0.002		<0.002	<0.002
5/2/2012	<0.002	<0.002							
5/3/2012			<0.002	<0.002	<0.002	<0.002			
5/4/2012							<0.002	<0.002	<0.002
11/9/2012	<0.002	<0.002	<0.002		<0.002				
11/10/2012				<0.002		<0.002	<0.002	<0.002	<0.002
5/8/2013	<0.002								
5/9/2013		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
5/10/2013					<0.002	<0.002			
11/5/2013			<0.002						
11/6/2013	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002		
11/7/2013								<0.002	<0.002
5/21/2014								<0.002	<0.002
5/22/2014		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
5/23/2014	<0.002								
11/8/2014	<0.002	<0.002							
11/9/2014				<0.002	<0.002	<0.002	<0.002	<0.002	
11/12/2014									<0.002
11/13/2014			<0.002						
5/22/2015	<0.002				<0.002	<0.002			
5/23/2015		<0.002							
5/24/2015			<0.002	<0.002			<0.002	<0.002	<0.002
11/10/2015	<0.002	<0.002		<0.002	<0.002				
11/11/2015			<0.002			<0.002	<0.002	<0.002	<0.002
4/11/2016	<0.002	<0.002							
4/12/2016			<0.002	<0.002	<0.002 (D)	<0.002		<0.002	
4/13/2016									<0.002 (D)
4/19/2016							<0.002		
6/16/2016	0.00018 (J)	0.00014 (J)	<0.002	<0.002					
6/20/2016					0.0002 (J)	<0.002		<0.002	0.0002 (J)
6/22/2016							<0.002		
8/11/2016	<0.002	<0.002	<0.002	<0.002					
8/12/2016					<0.002	<0.002		<0.002	
8/15/2016									<0.002
8/16/2016							<0.002		
10/4/2016			<0.002						



# Time Series

Constituent: Antimony, Total (mg/L)    Analysis Run 12/2/2021 3:01 PM    View: Descriptive  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.002	<0.002		<0.002	<0.002				
10/6/2016						<0.002	<0.002	<0.002	<0.002
11/29/2016	<0.002	<0.002							
11/30/2016			<0.002	<0.002	<0.002	<0.002		<0.002	
12/1/2016							<0.002		<0.002
2/7/2017			<0.002						
2/8/2017	<0.002	<0.002		<0.002	<0.002	<0.002			
2/9/2017							<0.002	<0.002	<0.002
4/5/2017		<0.002							
4/6/2017	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
4/7/2017									<0.002
6/20/2017			<0.002						
6/21/2017	<0.002	<0.002		<0.002	<0.002		<0.002	<0.002	
6/22/2017						<0.002			<0.002
10/4/2017			<0.002						
10/5/2017	<0.002	<0.002		<0.002	<0.002		<0.002		
10/6/2017						<0.002		<0.002	<0.002
3/20/2018	<0.002	<0.002	<0.002						
3/21/2018				<0.002	<0.002	<0.002		<0.002	
3/22/2018							<0.002		<0.002
10/2/2018	<0.002	<0.002	<0.002						
10/3/2018				<0.002	<0.002	<0.002	<0.002	<0.002	
10/4/2018									<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	
3/27/2019							<0.002		<0.002
9/10/2019			0.00042 (J)		<0.002	<0.002			
9/11/2019	0.00039 (J)						<0.002	<0.002	<0.002
9/12/2019		<0.002		<0.002					
3/18/2020	<0.002		<0.002		<0.002		<0.002	<0.002	
3/19/2020		<0.002		<0.002		<0.002			<0.002
9/9/2020	<0.002	<0.002	<0.002				<0.002		
9/10/2020				<0.002	<0.002	<0.002		<0.002	<0.002
4/1/2021	<0.002		0.0013 (J)				<0.002		<0.002
4/2/2021						<0.002			
4/5/2021		<0.002		<0.002				<0.002	
4/6/2021					<0.002				
8/11/2021	<0.002	<0.002		<0.002				<0.002	<0.002
8/12/2021			<0.002		<0.002	<0.002	<0.002		

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.002	<0.002
6/16/2010		<0.002
6/19/2010	<0.002	
7/27/2010		<0.002
7/28/2010	<0.002	
9/8/2010	<0.002	<0.002
4/29/2011		<0.002
4/30/2011	<0.002	
10/27/2011	<0.002	<0.002
5/3/2012		<0.002
5/4/2012	<0.002	
11/11/2012	<0.002	<0.002
5/9/2013		<0.002
5/10/2013	<0.002	
11/6/2013		<0.002
11/7/2013	<0.002	
5/21/2014	<0.002	<0.002
11/12/2014		<0.002
11/13/2014	<0.002	
5/23/2015	<0.002	<0.002
11/11/2015	<0.002	
11/12/2015		<0.002
4/13/2016		<0.002 (D)
4/19/2016	<0.002	
6/22/2016		<0.002
8/15/2016		<0.002
10/6/2016		<0.002
10/10/2016	<0.002	
12/1/2016	<0.002	<0.002
2/8/2017		<0.002
2/9/2017	<0.002	
4/6/2017		<0.002
4/7/2017	<0.002	
6/21/2017	<0.002	<0.002
8/15/2017	<0.002	
9/1/2017	<0.002	
10/5/2017		<0.002
10/9/2017	<0.002	
3/21/2018		<0.002
3/22/2018	<0.002	
10/2/2018		<0.002
10/4/2018	<0.002	
3/27/2019	<0.002	<0.002
9/11/2019	<0.002	<0.002
3/18/2020	<0.002	<0.002
9/9/2020	<0.002	<0.002
4/1/2021		<0.002
4/5/2021	<0.002	
8/12/2021	<0.002	<0.002

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.001						
5/9/2010	<0.001	<0.001					<0.001	<0.001	<0.001
5/10/2010					<0.001	<0.001			
5/11/2010				<0.001					
6/16/2010		<0.001	<0.001		<0.001	<0.001			
6/17/2010				<0.001					
6/18/2010	<0.001						<0.001	<0.001	<0.001
7/26/2010			<0.001						
7/27/2010		<0.001		<0.001		<0.001	<0.001		
7/28/2010	<0.001				<0.001				<0.001
7/29/2010								<0.001	
9/7/2010		<0.001	<0.001						
9/8/2010					<0.001	<0.001	<0.001		
9/9/2010	<0.001			<0.001				<0.001	<0.001
4/26/2011								<0.001	
4/28/2011				<0.001					
4/29/2011		<0.001	<0.001		<0.001	<0.001	<0.001		
4/30/2011	<0.001								<0.001
10/27/2011					<0.001	<0.001			
10/28/2011	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
10/29/2011				<0.001					
5/2/2012	<0.001	<0.001	<0.001						
5/3/2012				<0.001			<0.001		<0.001
5/4/2012					<0.001	<0.001		<0.001	
11/9/2012	<0.001	<0.001	<0.001	<0.001					
11/10/2012						<0.001	<0.001		<0.001
11/11/2012					<0.001			<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001					<0.001	<0.001
5/9/2013				<0.001	<0.001	<0.001	<0.001		
11/5/2013	<0.001			<0.001	<0.001				<0.001
11/6/2013		<0.001	<0.001			<0.001	<0.001		
11/7/2013								<0.001	
5/20/2014	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
5/21/2014					<0.001				
5/23/2014				<0.001					
11/8/2014		<0.001	<0.001						
11/12/2014	<0.001				<0.001	<0.001	<0.001	<0.001	<0.001
11/13/2014				<0.001					
5/22/2015	<0.001	<0.001	<0.001						
5/23/2015				<0.001	<0.001		<0.001		
5/24/2015						<0.001		<0.001	<0.001
11/9/2015		<0.001	<0.001						
11/11/2015	<0.001			<0.001					<0.001
11/12/2015					<0.001	<0.001	<0.001	<0.001	
4/6/2016	<0.001	<0.001	<0.001						
4/12/2016				<0.001					
4/13/2016					<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001						
6/16/2016				6E-05 (J)					
6/21/2016					<0.001	<0.001	<0.001	<0.001	<0.001
8/10/2016	<0.001	<0.001	<0.001						
8/11/2016				<0.001					

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.001	<0.001	<0.001	<0.001	<0.001
10/4/2016	<0.001	<0.001		0.00079					<0.001
10/5/2016			<0.001		<0.001	<0.001	<0.001		
10/7/2016								<0.001	
11/29/2016		<0.001	<0.001						
11/30/2016	<0.001			<0.001					
12/1/2016					<0.001	<0.001	<0.001	<0.001	<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001					<0.001
2/8/2017					<0.001	<0.001	<0.001		
2/9/2017								<0.001	
4/4/2017	<0.001	<0.001	<0.001						
4/5/2017				<0.001			<0.001		
4/6/2017					<0.001	<0.001		<0.001	<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001
6/21/2017					<0.001				
6/22/2017								<0.001	
10/4/2017	<0.001			<0.001					
10/5/2017		<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
10/6/2017								<0.001	
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001					<0.001
3/21/2018					<0.001	<0.001	<0.001 (D)		
3/22/2018								<0.001	
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
10/3/2018								<0.001	
3/26/2019	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
3/27/2019					<0.001	<0.001			
9/10/2019	0.00032 (J)	0.00049 (J)	0.00069 (J)	0.00033 (J)					
9/11/2019					0.00055 (J)	0.00045 (J)	0.00038 (J)	0.00042 (J)	0.00045 (J)
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001
9/10/2020						<0.001	<0.001	<0.001	
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
4/6/2021								<0.001	
8/11/2021	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
8/17/2021					<0.001				
8/18/2021				<0.001					

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.001								<0.001
5/11/2010		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
6/16/2010	<0.001	<0.001							
6/17/2010				<0.001	<0.001	<0.001			
6/18/2010							<0.001	<0.001	<0.001
6/19/2010			<0.001						
7/26/2010	<0.001								
7/27/2010		<0.001	<0.001	<0.001			<0.001	<0.001	
7/28/2010					<0.001	<0.001			<0.001
9/7/2010	<0.001	<0.001		<0.001	<0.001				
9/8/2010						<0.001			
9/9/2010			<0.001				<0.001	<0.001	<0.001
4/28/2011			<0.001			<0.001			
4/29/2011	<0.001	<0.001		<0.001	<0.001		<0.001		
4/30/2011								<0.001	<0.001
10/28/2011	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
10/29/2011						<0.001		<0.001	<0.001
5/2/2012	<0.001	<0.001							
5/3/2012			<0.001	<0.001	<0.001	<0.001			
5/4/2012							<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001	<0.001		<0.001				
11/10/2012				<0.001		<0.001	<0.001	<0.001	<0.001
5/8/2013	<0.001								
5/9/2013		<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
5/10/2013					<0.001	<0.001			
11/5/2013			<0.001						
11/6/2013	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
11/7/2013								<0.001	<0.001
5/21/2014								<0.001	<0.001
5/22/2014		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
5/23/2014	<0.001								
11/8/2014	<0.001	<0.001							
11/9/2014				<0.001	<0.001	<0.001	<0.001	<0.001	
11/12/2014									<0.001
11/13/2014			<0.001						
5/22/2015	<0.001				<0.001	<0.001			
5/23/2015		<0.001							
5/24/2015			<0.001	<0.001			<0.001	<0.001	<0.001
11/10/2015	<0.001	<0.001		<0.001	<0.001				
11/11/2015			<0.001			<0.001	<0.001	<0.001	<0.001
4/11/2016	<0.001	<0.001							
4/12/2016			<0.001	<0.001	<0.001 (D)	<0.001		<0.001	
4/13/2016									<0.001 (D)
4/19/2016							<0.001		
6/16/2016	<0.001	5.1E-05 (J)	5.5E-05 (J)	5.4E-05 (J)					
6/20/2016					<0.001	<0.001		6.3E-05 (J)	<0.001
6/22/2016							0.0008		
8/11/2016	<0.001	<0.001	<0.001	<0.001					
8/12/2016					0.00053 (J)	<0.001		<0.001	
8/15/2016									<0.001
8/16/2016							<0.001		
10/4/2016			<0.001						

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.001	<0.001		<0.001	<0.001				
10/6/2016						<0.001	<0.001	<0.001	<0.001
11/29/2016	<0.001	<0.001							
11/30/2016			<0.001	<0.001	<0.001	<0.001		<0.001	
12/1/2016							<0.001		<0.001
2/7/2017			<0.001						
2/8/2017	<0.001	<0.001		<0.001	<0.001	<0.001			
2/9/2017							<0.001	<0.001	<0.001
4/5/2017		<0.001							
4/6/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4/7/2017									<0.001
6/20/2017			<0.001						
6/21/2017	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	
6/22/2017						<0.001			<0.001
10/4/2017			<0.001						
10/5/2017	<0.001	<0.001		<0.001	<0.001		<0.001		
10/6/2017						<0.001		<0.001	<0.001
3/20/2018	<0.001	<0.001	<0.001						
3/21/2018				0.00078	0.00089	<0.001		<0.001	
3/22/2018							0.00046 (J)		<0.001
10/2/2018	<0.001	<0.001	<0.001						
10/3/2018				<0.001	<0.001	<0.001	<0.001	<0.001	
10/4/2018									<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
3/27/2019							<0.001		<0.001
9/10/2019			0.00038 (J)		0.00032 (J)	0.00032 (J)			
9/11/2019	0.00043 (J)						0.00038 (J)	0.00041 (J)	0.00038 (J)
9/12/2019		<0.001		<0.001					
3/18/2020	<0.001		<0.001		<0.001		<0.001	<0.001	
3/19/2020		<0.001		<0.001		<0.001			<0.001
9/9/2020	<0.001	<0.001	<0.001				<0.001		
9/10/2020				<0.001	<0.001	<0.001		<0.001	<0.001
4/1/2021	<0.001		<0.001				<0.001		<0.001
4/2/2021						<0.001			
4/5/2021		<0.001		<0.001				<0.001	
4/6/2021					<0.001				
8/11/2021	<0.001	<0.001		<0.001				<0.001	<0.001
8/12/2021			<0.001		<0.001	<0.001	<0.001		

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.001	<0.001
6/16/2010		<0.001
6/19/2010	<0.001	
7/27/2010		<0.001
7/28/2010	<0.001	
9/8/2010	<0.001	<0.001
4/29/2011		<0.001
4/30/2011	<0.001	
10/27/2011	<0.001	<0.001
5/3/2012		<0.001
5/4/2012	<0.001	
11/11/2012	<0.001	<0.001
5/9/2013		<0.001
5/10/2013	<0.001	
11/6/2013		<0.001
11/7/2013	<0.001	
5/21/2014	<0.001	<0.001
11/12/2014		<0.001
11/13/2014	<0.001	
5/23/2015	<0.001	<0.001
11/11/2015	<0.001	
11/12/2015		<0.001
4/13/2016		<0.001 (D)
4/19/2016	<0.001	
6/22/2016		<0.001
8/15/2016		<0.001
10/6/2016		<0.001
10/10/2016	<0.001	
12/1/2016	<0.001	<0.001
2/8/2017		<0.001
2/9/2017	0.00115 (D)	
4/6/2017		<0.001
4/7/2017	<0.001	
6/21/2017	0.0014	<0.001
8/15/2017	0.00086	
9/1/2017	0.00075	
10/5/2017		<0.001
10/9/2017	0.0013	
3/21/2018		<0.001
3/22/2018	0.00075	
10/2/2018		<0.001
10/4/2018	<0.001	
3/27/2019	0.0012	0.00062
9/11/2019	0.001 (J)	0.00055 (J)
3/18/2020	0.00042 (J)	<0.001
9/9/2020	0.00092 (J)	<0.001
4/1/2021		<0.001
4/5/2021	0.00097 (J)	
8/12/2021	0.00081 (J)	<0.001

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			0.048 (J)						
5/9/2010	0.01 (J)	0.031 (J)					0.017 (J)	0.029 (J)	0.01 (J)
5/10/2010					0.024 (J)	0.018 (J)			
5/11/2010				0.054 (J)					
6/16/2010		0.029 (J)	0.044 (J)		0.022 (J)	0.018 (J)			
6/17/2010				0.054 (J)					
6/18/2010	0.01 (J)						0.014 (J)	0.028 (J)	0.0097 (J)
7/26/2010			0.042 (J)						
7/27/2010		0.029 (J)		0.054 (J)		0.018 (J)	0.015 (J)		
7/28/2010	0.011 (J)				0.023 (J)				0.0096 (J)
7/29/2010								0.029 (J)	
9/7/2010		0.028 (J)	0.04 (J)						
9/8/2010					0.023 (J)	0.017 (J)	0.013 (J)		
9/9/2010	0.011 (J)			0.046 (J)				0.028 (J)	0.01 (J)
4/26/2011								0.038 (J)	
4/28/2011				0.057 (J)					
4/29/2011		0.026 (J)	0.038 (J)		0.022 (J)	0.016 (J)	0.016 (J)		
4/30/2011	0.0091 (J)								0.0096 (J)
10/27/2011					0.022	0.015			
10/28/2011	0.0096 (J)	0.025	0.034				0.013	0.026	0.0064 (O)
10/29/2011				0.046					
5/2/2012	0.012	0.025	0.03						
5/3/2012				0.049			0.012		0.0054 (O)
5/4/2012					0.019	0.014		0.024	
11/9/2012	0.012 (V)	0.028 (V)	0.039 (V)	0.045 (V)					
11/10/2012						0.016 (V)	0.015 (V)		0.0094 (J)
11/11/2012					0.025 (V)			0.027 (V)	
5/8/2013	0.01	0.029	0.034					0.045	0.0093 (J)
5/9/2013				0.053	0.024	0.016	0.015		
11/5/2013	0.0098 (J)			0.045	0.025				0.009 (J)
11/6/2013		0.026	0.032			0.016	0.015		
11/7/2013								0.026	
5/20/2014	0.0081 (J)	0.025	0.03			0.016	0.015	0.024	0.009 (J)
5/21/2014					0.024				
5/23/2014				0.043					
11/8/2014		0.026	0.031						
11/12/2014	0.0098 (J)				0.026	0.017	0.018	0.029	0.0098 (J)
11/13/2014				0.046					
5/22/2015	0.0088 (J)	0.026	0.033						
5/23/2015				0.046	0.026		0.016		
5/24/2015						0.017		0.027	0.0096 (J)
11/9/2015		0.024	0.034						
11/11/2015	0.011			0.047					0.0092 (J)
11/12/2015					0.026	0.016	0.015	0.029	
4/6/2016	0.00959 (J)	0.026	0.0347						
4/12/2016				0.0474					
4/13/2016					0.0258 (D)	0.0159 (D)	0.0166 (D)	0.029 (D)	0.00929 (JD)
6/15/2016	0.0091 (J)	0.023	0.029						
6/16/2016				0.044					
6/21/2016					0.0286	0.018	0.0173	0.0306	0.0106
8/10/2016	0.009	0.022	0.027						
8/11/2016				0.04					



# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					0.024	0.015	0.015	0.026	0.0077
10/4/2016	<0.021	0.024		0.048					<0.021
10/5/2016			<0.021		<0.021	<0.021	<0.021		
10/7/2016								0.031	
11/29/2016		0.023	0.024						
11/30/2016	0.011			0.043					
12/1/2016					0.028	0.016	0.016	0.031	0.0089
2/7/2017	0.0099	0.024	0.029	0.042					0.0089
2/8/2017					0.027	0.015	0.016		
2/9/2017								0.032	
4/4/2017	0.0092	0.022	0.03						
4/5/2017				0.041			0.016		
4/6/2017					0.027	0.016		0.029	0.0085
6/20/2017	0.0099	0.025	0.036	0.046		0.016	0.017		0.0097
6/21/2017					0.031				
6/22/2017								0.034	
10/4/2017	0.0098			0.044					
10/5/2017		0.023	0.027		0.029	0.016	0.017		0.0096
10/6/2017								0.031	
3/20/2018	0.01	0.023	0.027	0.042					0.0091
3/21/2018					<0.021 (X)	<0.021 (X)	<0.021 (X)		
3/22/2018								0.034	
10/2/2018	0.0099	0.023	0.027	0.043	0.029	0.016	0.016		0.0096
10/3/2018								0.03	
3/26/2019	0.0099	0.024	0.031	0.044			0.017	0.035	0.0092
3/27/2019					0.027	0.015			
9/10/2019	0.011	0.039	0.051	0.046					
9/11/2019					0.033	0.017	0.017	0.035	0.011
3/18/2020	0.01	0.027	0.031	0.049	0.036	0.019	0.018	0.058	0.0099 (J)
9/9/2020	0.01	0.024	0.033	0.046	0.036				0.01
9/10/2020						0.02	0.019	0.037	
4/1/2021	0.0092 (J)	0.024	0.029	0.047	0.034	0.018	0.018		0.0095 (J)
4/6/2021								0.038	
8/11/2021	0.01	0.023	0.029			0.017	0.018	0.037	0.012
8/18/2021				0.049					
10/18/2021					0.031				

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	0.039 (J)								0.029 (J)
5/11/2010		0.018 (J)	0.048 (J)	0.032 (J)	0.039	0.031 (J)	0.034 (J)	0.053 (J)	
6/16/2010	0.041 (J)	0.017 (J)							
6/17/2010				0.031 (J)	0.017	0.033 (J)			
6/18/2010							0.028 (J)	0.055 (J)	0.044 (J)
6/19/2010			0.033 (J)						
7/26/2010	0.04 (J)								
7/27/2010		0.016 (J)	0.047 (J)	0.035 (J)			0.026 (J)	0.053 (J)	
7/28/2010					0.071 (O)	0.033 (J)			0.028 (J)
9/7/2010	0.038 (J)	0.017 (J)		0.032 (J)	0.026				
9/8/2010						0.033 (J)			
9/9/2010			0.045 (J)				0.022 (J)	0.05 (J)	0.029 (J)
4/28/2011			0.048 (J)			0.039 (J)			
4/29/2011	0.034 (J)	0.018 (J)		0.031 (J)	0.016		0.016 (J)		
4/30/2011								0.05 (J)	0.025 (J)
10/28/2011	0.035	0.016	0.044	0.03	0.014		0.014		
10/29/2011						0.029		0.045	0.026
5/2/2012	0.038	0.018							
5/3/2012			0.047	0.032	0.017	0.036			
5/4/2012							0.017	0.051	0.032
11/9/2012	0.035 (V)	0.017 (V)	0.055 (V)		0.022 (V)				
11/10/2012				0.028 (V)		0.032 (V)	0.014 (V)	0.048 (V)	0.028 (V)
5/8/2013	0.037								
5/9/2013		0.017	0.049	0.029			0.016	0.048	0.03
5/10/2013					0.025	0.035			
11/5/2013			0.045						
11/6/2013	0.036 (V)	0.018 (V)		0.03 (V)	0.015	0.037	0.016		
11/7/2013								0.049	0.031
5/21/2014								0.048	0.029
5/22/2014		0.016	0.04	0.029	0.016	0.031	0.016		
5/23/2014	0.036								
11/8/2014	0.038	0.018							
11/9/2014				0.032	0.017	0.034	0.018	0.053	
11/12/2014									0.031
11/13/2014			0.045						
5/22/2015	0.035				0.017	0.039			
5/23/2015		0.018							
5/24/2015			0.045	0.029			0.11	0.061	0.039
11/10/2015	0.032	0.017		0.026	0.018				
11/11/2015			0.045			0.042	0.12	0.063	0.032
4/11/2016	0.0352	0.0191							
4/12/2016			0.0519	0.033	0.0169 (D)	0.0386		0.0626	
4/13/2016									0.0328 (D)
4/19/2016							0.099		
6/16/2016	0.033	0.017	0.045	0.028					
6/20/2016					0.014	0.031		0.057	0.03
6/22/2016							0.074		
8/11/2016	0.035	0.015	0.04	0.026					
8/12/2016					0.018	0.033		0.053	
8/15/2016									0.033
8/16/2016							0.045		
10/4/2016			0.044						

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.021	<0.021		0.03	0.015				
10/6/2016						0.042	0.046	0.053	0.032
11/29/2016	0.034	0.017							
11/30/2016			0.044	0.03	0.018	0.04		0.06	
12/1/2016							0.046		0.034
2/7/2017			0.044						
2/8/2017	0.032	0.017		0.033	0.018	0.042			
2/9/2017							0.055	0.054	0.032
4/5/2017		0.017							
4/6/2017	0.031		0.041	0.033	0.017	0.041	0.057	0.055	
4/7/2017									0.031
6/20/2017			0.045						
6/21/2017	0.035	0.019		0.03	0.02		0.062	0.063	
6/22/2017						0.047			0.035
10/4/2017			0.047						
10/5/2017	0.034	0.018		0.028	0.017		0.052		
10/6/2017						0.045		0.054	0.034
3/20/2018	0.033	0.019	0.045						
3/21/2018				<0.021 (X)	<0.021 (X)	0.045		0.056	
3/22/2018							0.048		0.035
10/2/2018	0.032	0.018	0.044						
10/3/2018				0.028	0.016	0.042	0.036	0.051	
10/4/2018									0.031
3/26/2019	0.033	0.018	0.045	0.03	0.015	0.053		0.052	
3/27/2019							0.038		0.033
9/10/2019			0.047		0.014	0.037			
9/11/2019	0.035						0.039	0.059	0.035
9/12/2019		0.026		0.035					
3/18/2020	0.036		0.048		0.013		0.04	0.05	
3/19/2020		0.025		0.032		0.045			0.036
9/9/2020	0.036	0.026	0.047				0.033		
9/10/2020				0.031	0.015	0.045		0.056	0.039
4/1/2021	0.035		0.044				0.04		0.036
4/2/2021						0.047			
4/5/2021		0.028		0.029				0.054	
4/6/2021					0.014				
8/11/2021	0.037	0.031		0.031				0.054	0.036
8/12/2021			0.048		0.019	0.049	0.036		

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	0.05 (J)	0.026 (J)
6/16/2010		0.026 (J)
6/19/2010	0.045 (J)	
7/27/2010		0.029 (J)
7/28/2010	0.046 (J)	
9/8/2010	0.071 (J)	0.027 (J)
4/29/2011		0.02 (J)
4/30/2011	0.098 (J)	
10/27/2011	0.048	0.02
5/3/2012		0.021
5/4/2012	0.055	
11/11/2012	0.05 (V)	0.028 (V)
5/9/2013		0.026
5/10/2013	0.12	
11/6/2013		0.026
11/7/2013	0.044	
5/21/2014	0.037	0.023
11/12/2014		0.038
11/13/2014	0.085	
5/23/2015	0.054	0.021
11/11/2015	0.059	
11/12/2015		0.02
4/13/2016		0.0164 (D)
4/19/2016	0.0415	
6/22/2016		0.0238
8/15/2016		0.02
10/6/2016		0.021
10/10/2016	0.034	
12/1/2016	0.037	0.025
2/8/2017		0.017
2/9/2017	0.043	
4/6/2017		0.019
4/7/2017	0.019	
6/21/2017	0.017	0.026
8/15/2017	0.021	
9/1/2017	0.02	
10/5/2017		0.022
10/9/2017	0.019	
3/21/2018		<0.021 (X)
3/22/2018	0.019	
10/2/2018		0.023
10/4/2018	0.012	
3/27/2019	0.025	0.018
9/11/2019	0.022	0.028
3/18/2020	0.043	0.013
9/9/2020	0.053	0.025
4/1/2021		0.018
4/5/2021	0.045	
8/12/2021	0.026	0.023

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.0025						
5/9/2010	<0.0025	<0.0025					<0.0025	<0.0025	<0.0025
5/10/2010					<0.0025	<0.0025			
5/11/2010				<0.0025					
6/16/2010		<0.0025	<0.0025		<0.0025	<0.0025			
6/17/2010				<0.0025					
6/18/2010	<0.0025						<0.0025	<0.0025	<0.0025
7/26/2010			<0.0025						
7/27/2010		<0.0025		<0.0025		<0.0025	<0.0025		
7/28/2010	<0.0025				<0.0025				<0.0025
7/29/2010								<0.0025	
9/7/2010		<0.0025	<0.0025						
9/8/2010					<0.0025	<0.0025	<0.0025		
9/9/2010	<0.0025			<0.0025				<0.0025	<0.0025
4/26/2011								<0.0025	
4/28/2011				<0.0025					
4/29/2011		<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
4/30/2011	<0.0025								<0.0025
10/27/2011					<0.0025	<0.0025			
10/28/2011	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025	<0.0025
10/29/2011				<0.0025					
5/2/2012	<0.0025	<0.0025	<0.0025						
5/3/2012				<0.0025			<0.0025		<0.0025
5/4/2012					<0.0025	<0.0025		<0.0025	
11/9/2012	<0.0025	<0.0025	0.0021	<0.0025					
11/10/2012						<0.0025	<0.0025		<0.0025
11/11/2012					<0.0025			<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
5/9/2013				<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013	<0.0025			<0.0025	<0.0025				<0.0025
11/6/2013		<0.0025	<0.0025			<0.0025	<0.0025		
11/7/2013								<0.0025	
5/20/2014	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
5/21/2014					<0.0025				
5/23/2014				<0.0025					
11/8/2014		<0.0025	<0.0025						
11/12/2014	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/13/2014				<0.0025					
5/22/2015	<0.0025	<0.0025	<0.0025						
5/23/2015				<0.0025	<0.0025		<0.0025		
5/24/2015						<0.0025		<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025						
11/11/2015	<0.0025			<0.0025					<0.0025
11/12/2015					<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2016	<0.0025	<0.0025	<0.0025						
4/12/2016				<0.0025					
4/13/2016					<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)
6/15/2016	<0.0025	<0.0025	<0.0025						
6/16/2016				<0.0025					
6/21/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025						
8/11/2016				<0.0025					

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/4/2016	<0.0025	<0.0025		<0.0025					<0.0025
10/5/2016			<0.0025		<0.0025	<0.0025	<0.0025		
10/7/2016								<0.0025	
11/29/2016		<0.0025	<0.0025						
11/30/2016	<0.0025			<0.0025					
12/1/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
2/8/2017					<0.0025	<0.0025	<0.0025		
2/9/2017								<0.0025	
4/4/2017	<0.0025	<0.0025	<0.0025						
4/5/2017				<0.0025			<0.0025		
4/6/2017					<0.0025	<0.0025		<0.0025	<0.0025
6/20/2017	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025
6/21/2017					<0.0025				
6/22/2017								<0.0025	
10/4/2017	<0.0025			<0.0025					
10/5/2017		<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		<0.0025
10/6/2017								<0.0025	
3/20/2018	<0.0025 (D)	<0.0025	<0.0025	<0.0025					<0.0025
3/21/2018					<0.0025	<0.0025	<0.0025 (D)		
3/22/2018								<0.0025	
10/2/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
10/3/2018								<0.0025	
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
3/27/2019					<0.0025	<0.0025			
9/10/2019	<0.0025	<0.0025	<0.0025	<0.0025					
9/11/2019					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025
9/10/2020						<0.0025	<0.0025	<0.0025	
4/1/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
4/6/2021								<0.0025	
8/11/2021	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
8/17/2021					<0.0025				
8/18/2021				<0.0025					

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.0025								<0.0025
5/11/2010		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6/16/2010	<0.0025	<0.0025							
6/17/2010				<0.0025	<0.0025	<0.0025			
6/18/2010							<0.0025	<0.0025	<0.0025
6/19/2010			<0.0025						
7/26/2010	<0.0025								
7/27/2010		<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	
7/28/2010					<0.0025	<0.0025			<0.0025
9/7/2010	<0.0025	<0.0025		<0.0025	<0.0025				
9/8/2010						<0.0025			
9/9/2010			<0.0025				<0.0025	<0.0025	<0.0025
4/28/2011			<0.0025			<0.0025			
4/29/2011	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025		
4/30/2011								<0.0025	<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
10/29/2011						<0.0025		<0.0025	<0.0025
5/2/2012	<0.0025	<0.0025							
5/3/2012			<0.0025	<0.0025	<0.0025	<0.0025			
5/4/2012							<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025	<0.0025		<0.0025				
11/10/2012				<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
5/8/2013	<0.0025								
5/9/2013		<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
5/10/2013					<0.0025	<0.0025			
11/5/2013			<0.0025						
11/6/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2013								<0.0025	<0.0025
5/21/2014								<0.0025	<0.0025
5/22/2014		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
5/23/2014	<0.0025								
11/8/2014	<0.0025	<0.0025							
11/9/2014				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2014									<0.0025
11/13/2014			<0.0025						
5/22/2015	<0.0025				<0.0025	<0.0025			
5/23/2015		<0.0025							
5/24/2015			<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
11/10/2015	<0.0025	<0.0025		<0.0025	<0.0025				
11/11/2015			<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
4/11/2016	<0.0025	<0.0025							
4/12/2016			<0.0025	<0.0025	<0.0025 (D)	<0.0025		<0.0025	
4/13/2016									<0.0025 (D)
4/19/2016							<0.0025		
6/16/2016	<0.0025	<0.0025	<0.0025	<0.0025					
6/20/2016					<0.0025	<0.0025		<0.0025	<0.0025
6/22/2016							<0.0025		
8/11/2016	<0.0025	<0.0025	<0.0025	<0.0025					
8/12/2016					<0.0025	<0.0025		<0.0025	
8/15/2016									<0.0025
8/16/2016							<0.0025		
10/4/2016			<0.0025						

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.0025	<0.0025		<0.0025	<0.0025				
10/6/2016						<0.0025	<0.0025	<0.0025	<0.0025
11/29/2016	<0.0025	<0.0025							
11/30/2016			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
12/1/2016							<0.0025		<0.0025
2/7/2017			<0.0025						
2/8/2017	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
2/9/2017							<0.0025	<0.0025	<0.0025
4/5/2017		<0.0025							
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
4/7/2017									<0.0025
6/20/2017			<0.0025						
6/21/2017	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025	<0.0025	
6/22/2017						<0.0025			<0.0025
10/4/2017			<0.0025						
10/5/2017	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025		
10/6/2017						<0.0025		<0.0025	<0.0025
3/20/2018	<0.0025	<0.0025	<0.0025						
3/21/2018				<0.0025	<0.0025	<0.0025		<0.0025	
3/22/2018							<0.0025		<0.0025
10/2/2018	<0.0025	<0.0025	<0.0025						
10/3/2018				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/4/2018									<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
3/27/2019							<0.0025		<0.0025
9/10/2019			<0.0025		<0.0025	<0.0025			
9/11/2019	<0.0025						<0.0025	<0.0025	<0.0025
9/12/2019		<0.0025		<0.0025					
3/18/2020	<0.0025		<0.0025		<0.0025		<0.0025	<0.0025	
3/19/2020		<0.0025		<0.0025		<0.0025			<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025				<0.0025		
9/10/2020				<0.0025	<0.0025	<0.0025		<0.0025	0.00018 (J)
4/1/2021	<0.0025		<0.0025				<0.0025		<0.0025
4/2/2021						<0.0025			
4/5/2021		<0.0025		<0.0025				<0.0025	
4/6/2021					<0.0025				
8/11/2021	<0.0025	<0.0025		<0.0025				<0.0025	<0.0025
8/12/2021			<0.0025		<0.0025	<0.0025	0.00022 (J)		



# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.0025	<0.0025
6/16/2010		<0.0025
6/19/2010	<0.0025	
7/27/2010		<0.0025
7/28/2010	<0.0025	
9/8/2010	<0.0025	<0.0025
4/29/2011		<0.0025
4/30/2011	<0.0025	
10/27/2011	<0.0025	<0.0025
5/3/2012		<0.0025
5/4/2012	<0.0025	
11/11/2012	<0.0025	<0.0025
5/9/2013		<0.0025
5/10/2013	<0.0025	
11/6/2013		<0.0025
11/7/2013	<0.0025	
5/21/2014	<0.0025	<0.0025
11/12/2014		<0.0025
11/13/2014	<0.0025	
5/23/2015	<0.0025	<0.0025
11/11/2015	<0.0025	
11/12/2015		<0.0025
4/13/2016		<0.0025 (D)
4/19/2016	<0.0025	
6/22/2016		<0.0025
8/15/2016		<0.0025
10/6/2016		<0.0025
10/10/2016	<0.0025	
12/1/2016	<0.0025	<0.0025
2/8/2017		<0.0025
2/9/2017	<0.0025	
4/6/2017		<0.0025
4/7/2017	<0.0025	
6/21/2017	<0.0025	<0.0025
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/5/2017		<0.0025
10/9/2017	<0.0025	
3/21/2018		<0.0025
3/22/2018	<0.0025	
10/2/2018		<0.0025
10/4/2018	<0.0025	
3/27/2019	<0.0025	<0.0025
9/11/2019	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025
4/1/2021		<0.0025
4/5/2021	0.00038 (J)	
8/12/2021	<0.0025	<0.0025

# Time Series

Constituent: Boron (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2016	<0.08	<0.08	<0.08						
4/12/2016				<0.08					
4/13/2016					<0.08 (D)	<0.08 (D)	<0.08 (D)	<0.08 (D)	<0.08 (D)
6/15/2016	<0.08	<0.08	0.0028 (J)						
6/16/2016				<0.08					
6/21/2016					<0.08	<0.08	<0.08	<0.08	<0.08
8/10/2016	<0.08	<0.08	<0.08						
8/11/2016				<0.08					
8/15/2016					<0.08	<0.08	<0.08	<0.08	<0.08
10/4/2016	<0.08	<0.08		<0.08					<0.08
10/5/2016			<0.08		<0.08	<0.08	<0.08		
10/7/2016								<0.08	
11/29/2016		<0.08	<0.08						
11/30/2016	<0.08			<0.08					
12/1/2016					<0.08	<0.08	<0.08	<0.08	<0.08
2/7/2017	<0.08	<0.08	<0.08	<0.08					<0.08
2/8/2017					<0.08	<0.08	<0.08		
2/9/2017								<0.08	
4/4/2017	<0.08	<0.08	<0.08						
4/5/2017				<0.08			<0.08		
4/6/2017					<0.08	<0.08		<0.08	<0.08
6/20/2017	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08		<0.08
6/21/2017					<0.08				
6/22/2017								<0.08	
10/4/2017	<0.08			<0.08					
10/5/2017		<0.08	<0.08		<0.08	<0.08	<0.08		<0.08
10/6/2017								<0.08	
3/20/2018	<0.08 (D)	<0.08	<0.08	<0.08					<0.08
3/21/2018					<0.08	<0.08	<0.08 (D)		
3/22/2018								<0.08	
10/2/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08
10/3/2018								<0.08	
3/26/2019	<0.08	<0.08	<0.08	<0.08			<0.08	<0.08	<0.08
3/27/2019					<0.08	<0.08			
9/10/2019	<0.08	<0.08	<0.08	<0.08					
9/11/2019					<0.08	<0.08	<0.08	<0.08	<0.08
3/18/2020	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/9/2020	<0.08	<0.08	<0.08	<0.08	<0.08				<0.08
9/10/2020						<0.08	<0.08	<0.08	
4/1/2021	<0.08	<0.08	<0.08	0.053 (J)	<0.08	<0.08	<0.08		<0.08
4/6/2021								0.056 (J)	
8/11/2021	<0.08	<0.08	<0.08			<0.08	<0.08	<0.08	<0.08
8/17/2021					<0.08				
8/18/2021				<0.08					

# Time Series

Constituent: Boron (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
4/11/2016	<0.08	<0.08							
4/12/2016			<0.08	<0.08	<0.08 (D)	<0.08		<0.08	
4/13/2016									<0.08 (D)
4/19/2016							<0.08		
6/16/2016	<0.08	<0.08	<0.08	<0.08					
6/20/2016					<0.08	<0.08		<0.08	<0.08
6/22/2016							0.238		
8/11/2016	<0.08	<0.08	<0.08	<0.08					
8/12/2016					<0.08	<0.08		<0.08	
8/15/2016									<0.08
8/16/2016							0.39		
10/4/2016			<0.08						
10/5/2016	<0.08	<0.08		<0.08	<0.08				
10/6/2016						<0.08	0.34	<0.08	<0.08
11/29/2016	<0.08	<0.08							
11/30/2016			<0.08	<0.08	<0.08	<0.08		<0.08	
12/1/2016							0.37		<0.08
2/7/2017			<0.08						
2/8/2017	<0.08	<0.08		<0.08	<0.08	<0.08			
2/9/2017							0.38	<0.08	<0.08
4/5/2017		<0.08							
4/6/2017	<0.08		<0.08	<0.08	<0.08	<0.08	0.4	<0.08	
4/7/2017									<0.08
6/20/2017			<0.08						
6/21/2017	<0.08	<0.08		<0.08	<0.08		0.39	<0.08	
6/22/2017						<0.08			<0.08
10/4/2017			<0.08						
10/5/2017	<0.08	<0.08		<0.08	<0.08		0.47		
10/6/2017						<0.08		<0.08	<0.08
3/20/2018	<0.08	<0.08	<0.08						
3/21/2018				<0.08	<0.08	<0.08		<0.08	
3/22/2018							0.48		<0.08
10/2/2018	<0.08	<0.08	<0.08						
10/3/2018				<0.08	<0.08	<0.08	0.47	<0.08	
10/4/2018									<0.08
3/26/2019	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08	
3/27/2019							0.33		<0.08
9/10/2019			<0.08		<0.08	<0.08			
9/11/2019	<0.08						0.31	<0.08	<0.08
9/12/2019		<0.08		<0.08					
3/18/2020	<0.08		<0.08		<0.08		0.26	<0.08	
3/19/2020		<0.08		<0.08		<0.08			<0.08
9/9/2020	<0.08	<0.08	<0.08				0.24		
9/10/2020				<0.08	<0.08	<0.08		<0.08	<0.08
4/1/2021	<0.08		<0.08				0.23		<0.08
4/2/2021						<0.08			
4/5/2021		<0.08		<0.08				0.042 (J)	
4/6/2021					0.078 (J)				
8/11/2021	<0.08	<0.08		<0.08				0.057 (J)	0.056 (J)
8/12/2021			<0.08		<0.08	<0.08	0.19		

# Time Series

Constituent: Boron (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
4/13/2016		0.0774 (JD)
4/19/2016	0.145	
6/22/2016		0.0663 (J)
8/15/2016		0.093
10/6/2016		0.096
10/10/2016	0.12	
12/1/2016	0.12	0.12
2/8/2017		0.094
2/9/2017	0.13	
4/6/2017		0.11
4/7/2017	0.21	
6/21/2017	0.23	0.1
8/15/2017	0.27	
9/1/2017	0.24	
10/5/2017		0.083
3/21/2018		0.089
3/22/2018	0.25	
10/2/2018		0.083
10/4/2018	0.21	
3/27/2019	0.16	0.067
9/11/2019	0.21	0.083
3/18/2020	0.16	0.058 (J)
9/9/2020	0.13	0.088
4/1/2021		0.059 (J)
4/5/2021	0.18	
8/12/2021	0.23	0.1

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.0025						
5/9/2010	<0.0025	<0.0025					<0.0025	<0.0025	<0.0025
5/10/2010					<0.0025	<0.0025			
5/11/2010				<0.0025					
6/16/2010		<0.0025	<0.0025		<0.0025	<0.0025			
6/17/2010				<0.0025					
6/18/2010	<0.0025						<0.0025	<0.0025	<0.0025
7/26/2010			<0.0025						
7/27/2010		<0.0025		<0.0025		<0.0025	<0.0025		
7/28/2010	<0.0025				<0.0025				<0.0025
7/29/2010								<0.0025	
9/7/2010		<0.0025	<0.0025						
9/8/2010					<0.0025	<0.0025	<0.0025		
9/9/2010	<0.0025			<0.0025				<0.0025	<0.0025
4/26/2011								<0.0025	
4/28/2011				<0.0025					
4/29/2011		<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
4/30/2011	<0.0025								<0.0025
10/27/2011					<0.0025	<0.0025			
10/28/2011	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025	<0.0025
10/29/2011				<0.0025					
5/2/2012	<0.0025	<0.0025	<0.0025						
5/3/2012				<0.0025			<0.0025		<0.0025
5/4/2012					<0.0025	<0.0025		<0.0025	
11/9/2012	<0.0025	<0.0025	<0.0025	<0.0025					
11/10/2012						<0.0025	<0.0025		<0.0025
11/11/2012					<0.0025			<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
5/9/2013				<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013	<0.0025			<0.0025	<0.0025				<0.0025
11/6/2013		<0.0025	<0.0025			<0.0025	<0.0025		
11/7/2013								<0.0025	
5/20/2014	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
5/21/2014					<0.0025				
5/23/2014				<0.0025					
11/8/2014		<0.0025	<0.0025						
11/12/2014	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/13/2014				<0.0025					
5/22/2015	<0.0025	<0.0025	<0.0025						
5/23/2015				<0.0025	<0.0025		<0.0025		
5/24/2015						<0.0025		<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025						
11/11/2015	<0.0025			<0.0025					<0.0025
11/12/2015					<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2016	<0.0025	<0.0025	<0.0025						
4/12/2016				<0.0025					
4/13/2016					<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)
6/15/2016	<0.0025	<0.0025	<0.0025						
6/16/2016				<0.0025					
6/21/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025						
8/11/2016				<0.0025					

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/4/2016	<0.0025	<0.0025		<0.0025					<0.0025
10/5/2016			<0.0025		<0.0025	<0.0025	<0.0025		
10/7/2016								<0.0025	
11/29/2016		<0.0025	<0.0025						
11/30/2016	<0.0025			<0.0025					
12/1/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
2/8/2017					<0.0025	<0.0025	<0.0025		
2/9/2017								<0.0025	
4/4/2017	<0.0025	<0.0025	<0.0025						
4/5/2017				<0.0025			<0.0025		
4/6/2017					<0.0025	<0.0025		<0.0025	<0.0025
6/20/2017	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025
6/21/2017					<0.0025				
6/22/2017								<0.0025	
10/4/2017	<0.0025			<0.0025					
10/5/2017		<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		<0.0025
10/6/2017								<0.0025	
3/20/2018	<0.0025 (D)	<0.0025	<0.0025	<0.0025					<0.0025
3/21/2018					<0.0025	<0.0025	<0.0025 (D)		
3/22/2018								<0.0025	
10/2/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
10/3/2018								<0.0025	
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
3/27/2019					<0.0025	<0.0025			
9/10/2019	<0.0025	<0.0025	0.00013 (J)	<0.0025					
9/11/2019					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025
9/10/2020						0.001 (J)	<0.0025	<0.0025	
4/1/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
4/6/2021								<0.0025	
8/11/2021	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
8/17/2021					<0.0025				
8/18/2021				<0.0025					

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.0025								<0.0025
5/11/2010		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6/16/2010	<0.0025	<0.0025							
6/17/2010				<0.0025	<0.0025	<0.0025			
6/18/2010							<0.0025	<0.0025	<0.0025
6/19/2010			<0.0025						
7/26/2010	<0.0025								
7/27/2010		<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	
7/28/2010					<0.0025	<0.0025			<0.0025
9/7/2010	<0.0025	<0.0025		<0.0025	<0.0025				
9/8/2010						<0.0025			
9/9/2010			<0.0025				<0.0025	<0.0025	<0.0025
4/28/2011			<0.0025			<0.0025			
4/29/2011	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025		
4/30/2011								<0.0025	<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
10/29/2011						<0.0025		<0.0025	<0.0025
5/2/2012	<0.0025	<0.0025							
5/3/2012			<0.0025	<0.0025	<0.0025	<0.0025			
5/4/2012							<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025	<0.0025		<0.0025				
11/10/2012				<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
5/8/2013	<0.0025								
5/9/2013		<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
5/10/2013					<0.0025	<0.0025			
11/5/2013			<0.0025						
11/6/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2013								<0.0025	<0.0025
5/21/2014								<0.0025	<0.0025
5/22/2014		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
5/23/2014	<0.0025								
11/8/2014	<0.0025	<0.0025							
11/9/2014				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2014									<0.0025
11/13/2014			<0.0025						
5/22/2015	<0.0025				<0.0025	<0.0025			
5/23/2015		<0.0025							
5/24/2015			<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
11/10/2015	<0.0025	<0.0025		<0.0025	<0.0025				
11/11/2015			<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
4/11/2016	<0.0025	<0.0025							
4/12/2016			<0.0025	<0.0025	<0.0025 (D)	<0.0025		<0.0025	
4/13/2016									<0.0025 (D)
4/19/2016							<0.0025		
6/16/2016	<0.0025	<0.0025	<0.0025	<0.0025					
6/20/2016					<0.0025	<0.0025		<0.0025	<0.0025
6/22/2016							<0.0025		
8/11/2016	<0.0025	<0.0025	<0.0025	<0.0025					
8/12/2016					<0.0025	<0.0025		<0.0025	
8/15/2016									<0.0025
8/16/2016							<0.0025		
10/4/2016			<0.0025						

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.0025	<0.0025		<0.0025	<0.0025				
10/6/2016						<0.0025	<0.0025	<0.0025	<0.0025
11/29/2016	<0.0025	<0.0025							
11/30/2016			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
12/1/2016							<0.0025		<0.0025
2/7/2017			<0.0025						
2/8/2017	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
2/9/2017							<0.0025	<0.0025	<0.0025
4/5/2017		<0.0025							
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
4/7/2017									<0.0025
6/20/2017			<0.0025						
6/21/2017	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025	<0.0025	
6/22/2017						<0.0025			<0.0025
10/4/2017			<0.0025						
10/5/2017	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025		
10/6/2017						<0.0025		<0.0025	<0.0025
3/20/2018	<0.0025	<0.0025	<0.0025						
3/21/2018				<0.0025	<0.0025	<0.0025		<0.0025	
3/22/2018							<0.0025		<0.0025
10/2/2018	<0.0025	<0.0025	<0.0025						
10/3/2018				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/4/2018									<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
3/27/2019							<0.0025		<0.0025
9/10/2019			<0.0025		<0.0025	<0.0025			
9/11/2019	<0.0025						<0.0025	<0.0025	<0.0025
9/12/2019		<0.0025		<0.0025					
3/18/2020	<0.0025		<0.0025		<0.0025		<0.0025	<0.0025	
3/19/2020		<0.0025		<0.0025		<0.0025			<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025				<0.0025		
9/10/2020				<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
4/1/2021	<0.0025		0.00038 (J)				<0.0025		<0.0025
4/2/2021						<0.0025			
4/5/2021		<0.0025		<0.0025				<0.0025	
4/6/2021					<0.0025				
8/11/2021	<0.0025	<0.0025		<0.0025				<0.0025	<0.0025
8/12/2021			<0.0025		<0.0025	<0.0025	<0.0025		



# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.0025	<0.0025
6/16/2010		<0.0025
6/19/2010	<0.0025	
7/27/2010		<0.0025
7/28/2010	<0.0025	
9/8/2010	0.001	<0.0025
4/29/2011		<0.0025
4/30/2011	0.0014	
10/27/2011	0.0011	<0.0025
5/3/2012		<0.0025
5/4/2012	<0.0025	
11/11/2012	<0.0025	<0.0025
5/9/2013		<0.0025
5/10/2013	0.0016	
11/6/2013		<0.0025
11/7/2013	0.001	
5/21/2014	<0.0025	<0.0025
11/12/2014		<0.0025
11/13/2014	<0.0025	
5/23/2015	<0.0025	<0.0025
11/11/2015	<0.0025	
11/12/2015		<0.0025
4/13/2016		<0.0025 (D)
4/19/2016	0.000379 (J)	
6/22/2016		<0.0025
8/15/2016		<0.0025
10/6/2016		<0.0025
10/10/2016	<0.0025	
12/1/2016	<0.0025	<0.0025
2/8/2017		<0.0025
2/9/2017	0.00037 (J)	
4/6/2017		<0.0025
4/7/2017	<0.0025	
6/21/2017	<0.0025	<0.0025
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/5/2017		<0.0025
10/9/2017	<0.0025	
3/21/2018		<0.0025
3/22/2018	<0.0025	
10/2/2018		<0.0025
10/4/2018	<0.0025	
3/27/2019	<0.0025	<0.0025
9/11/2019	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025
4/1/2021		<0.0025
4/5/2021	0.0003 (J)	
8/12/2021	<0.0025	<0.0025

# Time Series

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2016	3.62	12.1	6.58						
4/12/2016				17.1					
4/13/2016					15.6 (D)	12.8 (D)	1.18 (D)	5.71 (D)	6.55 (D)
6/15/2016	4.5	11.8	6.9						
6/16/2016				19.8					
6/21/2016					14.4	11.6	1.12	5.54	6.04
8/10/2016	3.8	10	5.5						
8/11/2016				15					
8/15/2016					14	11	0.95	5.8	5.9
10/4/2016	5.3	14		17					6.6
10/5/2016			6.8		17	14	1		
10/7/2016								6.1	
11/29/2016		10	4.8						
11/30/2016	4.7			16					
12/1/2016					15	12	0.92	5.8	5.4
2/7/2017	3.8	12	7.8	17					6.1
2/8/2017					17	13	1.2		
2/9/2017								6.3	
4/4/2017	3.8	11	6.4						
4/5/2017				16			1.1		
4/6/2017					16	12		5.8	6.1
6/20/2017	4.1	11	7	17		13	0.96		6.6
6/21/2017					16 (D)				
6/22/2017								6.4 (D)	
10/4/2017	4.6			19					
10/5/2017		13	6.6		19	14	1.1		7.2
10/6/2017								7.4	
3/20/2018	4.2 (D)	12	6.6	18					6.6
3/21/2018					17	13	1.3 (D)		
3/22/2018								6.8	
10/2/2018	4.2	11	5.8	16	17	12	0.86		6.5
10/3/2018								6.4	
3/26/2019	4	11	6.7	16			1.1	6.3	6.4
3/27/2019					16	12			
9/10/2019	4.8	12	7.5	17					
9/11/2019					18	13	0.94	7	7.3
3/18/2020	3.8	12	7.3	19	20	14	1.6	9.3	6.9
9/9/2020	4	11	7.3	17	20				6.5
9/10/2020						13	1.1	6.7	
4/1/2021	4	12	7.8	18	19	13	1.2		6.2
4/6/2021								7.4	
8/11/2021	4.1	11	7.3			13	1	6.7	6.9
8/17/2021					18				
8/18/2021				18					

# Time Series

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
4/11/2016	10.5	10.4							
4/12/2016			17	13.5	8.52 (D)	11		17.8	
4/13/2016									14 (D)
4/19/2016							198		
6/16/2016	11.6	12.2	19.7	15					
6/20/2016					7.7	10.1		19.5	13.8
6/22/2016							132		
8/11/2016	10	9.5	15	12					
8/12/2016					7.3	9.9		17	
8/15/2016									13
8/16/2016							94		
10/4/2016			18						
10/5/2016	11	11		14	8.4				
10/6/2016						12	100	19	14
11/29/2016	9.6	9.8							
11/30/2016			16	12	8	11		19	
12/1/2016							100		13
2/7/2017			18						
2/8/2017	10	10		14	9.3	13			
2/9/2017							120	18	14
4/5/2017		10							
4/6/2017	9.7		16	13	8.1	12	140	18	
4/7/2017									14
6/20/2017			17						
6/21/2017	9.7 (D)	10 (D)		13 (D)	9.2 (D)		160 (D)	19 (D)	
6/22/2017						13 (D)			14 (D)
10/4/2017			19						
10/5/2017	11	12		15	10		130		
10/6/2017						15		19	16
3/20/2018	11	12	18						
3/21/2018				14	9.3	15		19	
3/22/2018							130		15
10/2/2018	9.6	11	16						
10/3/2018				13	7.5	13	88	16	
10/4/2018									13
3/26/2019	9.6	11	17	12	7.3	13		16	
3/27/2019							75		14
9/10/2019			18		6.6	12			
9/11/2019	10						46	19	14
9/12/2019		14		14					
3/18/2020	11		18		5.9		61	15	
3/19/2020		14		14		14			15
9/9/2020	10	15	17				35		
9/10/2020				13	6.3	13		16	15
4/1/2021	11		17				40		15
4/2/2021						15			
4/5/2021		15		14				16	
4/6/2021					7.4				
8/11/2021	10			14				16	14
8/12/2021			17		6.6	13	46		
10/7/2021		17							

# Time Series

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
4/13/2016		18 (D)
4/19/2016	20	
6/22/2016		16.7
8/15/2016		16
10/6/2016		17
10/10/2016	19	
12/1/2016	18	17
2/8/2017		18
2/9/2017	20	
4/6/2017		17
4/7/2017	27	
6/21/2017	27 (D)	17 (D)
8/15/2017	29	
9/1/2017	32	
10/5/2017		19
3/21/2018		19
3/22/2018	30	
10/2/2018		16
10/4/2018	37	
3/27/2019	47	16
9/11/2019	37	17
3/18/2020	53	16
9/9/2020	64	16
4/1/2021		16
4/5/2021	52	
8/12/2021	37	18

# Time Series

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2016	5.342	1.789	1.69						
4/12/2016				4.32					
4/13/2016					2.04 (D)	1.78 (D)	1.8 (D)	1.82 (D)	2.71 (D)
6/15/2016	5.2	2.1	1.9						
6/16/2016				3.8					
6/21/2016					2.2	2	2	1.9	3
8/10/2016	5.5	1.8	1.7						
8/11/2016				4					
8/15/2016					2.2	1.9	1.8	1.6	3.1
10/4/2016	5.4	1.7		3.6					3
10/5/2016			1.6		2.1	1.8	1.7		
10/7/2016								1.5	
11/29/2016		1.7	1.7						
11/30/2016	5.4			3.8					
12/1/2016					2.1	1.8	1.7	1.4	3.1
2/7/2017	5.1	1.6	1.6	4.3					2.9
2/8/2017					2.3	1.8	1.7		
2/9/2017								1.5	
4/4/2017	5.1	1.6	1.5						
4/5/2017				4.1			1.7		
4/6/2017					2.2	1.7		1.4	2.7
6/20/2017	5.2	1.6	1.5	3.9		1.7	1.6		2.9
6/21/2017					2.3				
6/22/2017								1.5	
10/4/2017	5.2			3.6					
10/5/2017		1.5	1.5		2.3	1.7	1.6		2.8
10/6/2017								1.3	
3/20/2018	5.6 (D)	1.5	1.4	3.9					2.7
3/21/2018					2.3	1.6	1.6 (D)		
3/22/2018								1.4	
10/2/2018	6.3	1.6	1.5	3.7	2.6	1.7	1.6		3
10/3/2018								1.5	
3/26/2019	5.5	1.5	1.3	3.6			1.7	1.6	2.5
3/27/2019					2.4	1.5			
9/10/2019	5.2	1.4	1.3	2.9					
9/11/2019					2.9	1.8	1.9	1.5	3.1
3/18/2020	5.4	1.7	2	4.2	4.1	1.9	2.1	1.6	3
9/9/2020	6.1	1.6	1.3	3.9	4.3				2.9
9/10/2020						1.9	1.8	1.7	
4/1/2021	7	1.8	1.5	4.2	4.4	1.9	2		3.8
4/6/2021								1.8	
8/11/2021	7.2	1.8	1.4			1.8	1.8	1.6	3.7
8/17/2021					3.1				
8/18/2021				4					

# Time Series

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
4/11/2016	2.53	1.84							
4/12/2016			2.34	2.03	3.04 (D)	4.57			
4/13/2016									1.68 (D)
4/19/2016							124 (o)		
6/16/2016	2.5	1.9	2.4	2.2					
6/20/2016					3.1	3.1		6.8	2
6/22/2016							81		
8/11/2016	2.6	1.9	2.4	2.1					
8/15/2016									1.8
8/16/2016					3.2	3.2	71	7.6	
10/4/2016			2.2						
10/5/2016	2.5	1.7		1.9	3.2				
10/6/2016						3.4	68	7.3	1.7
11/29/2016	2.4	1.7							
11/30/2016			2.2	2	3.3	4.1		7.1	
12/1/2016							74		1.7
2/7/2017			2.1						
2/8/2017	2.5	1.7		2	3.5	7.2			
2/9/2017							76	5.8	1.7
4/5/2017		1.7							
4/6/2017	2.4		2.1	<1	3.4	7.4	92	5.7	
4/7/2017									1.7
6/20/2017			2.1						
6/21/2017	2.4	1.7		1.9	3.5		100	6.1	
6/22/2017						7.8			1.6
10/4/2017			2						
10/5/2017	2.3	1.6		1.9	3.5		67		
10/6/2017						9.1		5.1	1.6
3/20/2018	2.3	1.6	2						
3/21/2018				1.8	3.4	13		5.4	
3/22/2018							74		1.6
10/2/2018	2.5	1.7	2						
10/3/2018				2	3.5	13	46	5.7	
10/4/2018									1.7
3/26/2019	2.7	1.8	1.9	1.9	3	9.2		4.2	
3/27/2019							42		1.7
9/10/2019			1.7		2.5	5.1			
9/11/2019	2.6						19	7.2	2.1
9/12/2019		1.5		1.6					
3/18/2020	2.7		2.4		2.8		30	4	
3/19/2020		2.2		2.2		8.7			2.1
9/9/2020	2.8	2.4	2				8.7		
9/10/2020				2.1	2.7	9.7		6.3	2.5
4/1/2021	2.8		2.5				18		2.9
4/2/2021						11			
4/6/2021					2.9				
6/1/2021		2.6		2.1					
6/2/2021								6.3	
8/11/2021	2.9	2.8		2.1				6.5	3
8/12/2021			2.5		3.3	12	22		

# Time Series

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
4/13/2016		3.64 (D)
4/19/2016	6.9	
6/22/2016		3.8
8/15/2016		3.7
10/6/2016		3.4
10/10/2016	7.2	
12/1/2016	7.1	4
2/8/2017		4
2/9/2017	7.2	
4/6/2017		4
4/7/2017	7.5	
6/21/2017	7.6	3.3
8/15/2017	7.8	
9/1/2017	7.6	
10/5/2017		3.3
3/21/2018		3.6
3/22/2018	7	
10/2/2018		3.1
10/4/2018	6.1	
3/27/2019	6.6	3
9/11/2019	7	3.4
3/18/2020	8.5	3.4
9/9/2020	11	3.2
4/1/2021		4.3
6/1/2021	9.4	
8/12/2021	7.8	4.1

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			0.0032 (J)						
5/9/2010	<0.002	0.003 (J)					<0.002	0.0051	<0.002
5/10/2010					0.011	0.011			
5/11/2010				0.0077					
6/16/2010		0.0042 (J)	0.0037 (J)		0.0095	0.012			
6/17/2010				0.0053					
6/18/2010	<0.002						<0.002	0.0043 (J)	<0.002
7/26/2010			0.0058						
7/27/2010		0.0048 (J)		0.0085		0.012	0.002 (J)		
7/28/2010	<0.002				0.01				<0.002
7/29/2010								0.0058	
9/7/2010		0.0037 (J)	0.0078						
9/8/2010					0.011	0.011	<0.002		
9/9/2010	<0.002			0.0076				0.0052	<0.002
4/26/2011								0.0025 (J)	
4/28/2011				0.0048 (J)					
4/29/2011		0.0046 (J)	0.005		0.0096	0.01	<0.002		
4/30/2011	<0.002								<0.002
10/27/2011					0.011	0.0077			
10/28/2011	<0.002	0.005	0.0068				<0.002	0.0035 (J)	<0.002
10/29/2011				0.0093					
5/2/2012	<0.002	0.0052	0.0065						
5/3/2012				0.01			<0.002		<0.002
5/4/2012					0.01	0.0082		0.0073	
11/9/2012	<0.002	0.0054	0.006	0.009					
11/10/2012						0.007	<0.002		<0.002
11/11/2012					0.01			0.004 (J)	
5/8/2013	<0.002	0.0058	0.0074					0.006	<0.002
5/9/2013				0.0085	0.011	0.0079	<0.002		
11/5/2013	0.0036			0.015	0.015				0.0036
11/6/2013		0.0062 (J)	0.0082 (J)			0.011	0.0031 (J)		
11/7/2013								0.0068 (J)	
5/20/2014	<0.002	0.0047 (J)	0.0051 (J)			0.0076 (J)	0.002 (J)	0.0039 (J)	<0.002
5/21/2014					0.013				
5/23/2014				0.012					
11/8/2014		0.0064 (J)	0.0074 (J)						
11/12/2014	<0.002				0.012	0.0071 (J)	<0.002	0.0039 (J)	<0.002
11/13/2014				0.011					
5/22/2015	<0.002	0.0059 (J)	0.0084 (J)						
5/23/2015				0.012	0.014		0.0027 (J)		
5/24/2015						0.0083 (J)		0.004 (J)	<0.002
11/9/2015		0.0043 (J)	0.009 (J)						
11/11/2015	<0.002			0.014					<0.002
11/12/2015					0.016	0.0069 (J)	0.0022 (J)	0.0077 (J)	
4/6/2016	<0.002	0.00457 (J)	0.00779 (J)						
4/12/2016				0.0135					
4/13/2016					0.0152 (D)	0.00804 (JD)	<0.002 (D)	0.0038 (JD)	<0.002 (D)
6/15/2016	<0.002	<0.002	<0.002						
6/16/2016				0.014					
6/21/2016					0.016	0.0086 (J)	0.0012 (J)	0.0035 (J)	0.0006 (J)
8/10/2016	<0.002	0.0042	0.0068						
8/11/2016				0.013					



# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					0.015	0.0073	0.0021 (J)	0.0034	<0.002
10/4/2016	<0.002	0.0052		0.014					<0.002
10/5/2016			0.0076		0.016	0.0077	0.0013 (J)		
10/7/2016								0.0037	
11/29/2016		0.004	0.0045						
11/30/2016	<0.002			0.013					
12/1/2016					0.015	0.0075	0.0015 (J)	0.0037	<0.002
2/7/2017	<0.002	0.004	0.0067	0.013					<0.002
2/8/2017					0.017	0.0078	0.0016 (J)		
2/9/2017								0.0038	
4/4/2017	<0.002	0.0021 (J)	0.0079						
4/5/2017				0.014			0.0014 (J)		
4/6/2017					0.018	0.0079		0.0039	<0.002
6/20/2017	<0.002	0.0046	0.0084	0.013		0.0078	0.0015 (J)		<0.002
6/21/2017					0.017				
6/22/2017								0.0042	
10/4/2017	<0.002			0.015					
10/5/2017		0.005	0.0061		0.018	0.0081	0.0015 (J)		<0.002
10/6/2017								0.0039	
3/20/2018	<0.002 (D)	0.0044	0.006	0.013					<0.002
3/21/2018					0.017 (J+X)	<0.002 (X)	<0.002 (XD)		
3/22/2018								0.028 (O)	
10/2/2018	<0.002	0.0043	0.0061	0.014	0.018	0.0075	0.0012 (J)		<0.002
10/3/2018								0.0056	
3/26/2019	<0.002	0.0046	0.0065	0.013			0.0013 (J)	0.0048	<0.002
3/27/2019					0.017	0.007			
9/10/2019	0.0023 (J)	0.0076	0.012	0.018					
9/11/2019					0.023	0.011	0.0036	0.0075	0.0038
3/18/2020	<0.002	0.0044	0.0083	0.014	0.02	0.0086	0.0016 (J)	0.008	<0.002
9/9/2020	<0.002	0.005	0.0088	0.014	0.018				<0.002
9/10/2020						0.009	<0.002	0.0054	
4/1/2021	<0.002	0.0053	0.0082	0.014	0.02	0.0078	0.0015 (J)		<0.002
4/6/2021								0.0061	
8/11/2021	<0.002	0.0059	0.0089			0.0078	<0.002	0.0051	<0.002
8/18/2021				0.014					
10/18/2021					0.019				

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	0.012								0.007
5/11/2010		0.0039 (J)	0.0051	0.0063	0.01	0.0046 (J)	0.004 (J)	<0.002	
6/16/2010	0.014	0.0049 (J)							
6/17/2010				0.0053	0.0087	0.007			
6/18/2010							0.0056	0.0063	0.011
6/19/2010			<0.002						
7/26/2010	0.013								
7/27/2010		0.0047 (J)	0.01	0.0064			0.0051	0.004 (J)	
7/28/2010					0.028 (O)	0.0084			0.0092
9/7/2010	0.015	0.0057		0.0078	0.022				
9/8/2010						0.0071			
9/9/2010			0.0072				0.0037 (J)	0.0053	0.01
4/28/2011			0.0077			0.008			
4/29/2011	0.014	0.0087		0.0065	0.0099		0.0036 (J)		
4/30/2011								0.0035 (J)	0.012
10/28/2011	0.014	0.0075	0.011	0.0092	0.0089		0.0026 (J)		
10/29/2011						0.0054		0.0048 (J)	0.012
5/2/2012	0.017	0.011							
5/3/2012			0.011	0.011	0.0091	0.0065			
5/4/2012							0.0031 (J)	0.0064	0.013
11/9/2012	0.014	0.0076	0.0089		0.008				
11/10/2012				0.0073		0.0059	<0.002	0.0084	0.0097
5/8/2013	0.017								
5/9/2013		0.0088	0.0089	0.0098			0.0033 (J)	0.0041 (J)	0.013
5/10/2013					0.019	0.0083			
11/5/2013			0.011						
11/6/2013	0.017	0.011		0.011	0.013	0.0099 (J)	0.0045 (J)		
11/7/2013								0.0077 (J)	0.013
5/21/2014								0.0044 (J)	0.0091 (J)
5/22/2014		0.0057 (J)	0.01	0.0097 (J)	0.0093 (J)	0.0049 (J)	0.0035 (J)		
5/23/2014	0.013								
11/8/2014	0.018	0.013							
11/9/2014				0.012	0.0098 (J)	0.0068 (J)	0.0062 (J)	0.0071 (J)	
11/12/2014									0.0097 (J)
11/13/2014			0.0084 (J)						
5/22/2015	0.02				0.01	0.0087 (J)			
5/23/2015		0.014							
5/24/2015			0.0095 (J)	0.016			0.012	0.01	0.018
11/10/2015	0.013	0.0091 (J)		0.0088 (J)	0.011				
11/11/2015			0.011			0.0084 (J)	0.0068 (J)	0.0053 (J)	0.0086 (J)
4/11/2016	0.0139	0.00767 (J)							
4/12/2016			0.0122	0.00965 (J)	0.00925 (JD)	0.00419 (J)		0.00493 (J)	
4/13/2016									0.00924 (JD)
4/19/2016							0.00368 (J)		
6/16/2016	0.014	<0.002	<0.002	<0.002					
6/20/2016					0.0076 (J)	0.0043 (J)		0.0043 (J)	0.0084 (J)
6/22/2016							0.0031 (J)		
8/11/2016	0.016	0.0085	0.01	0.0083					
8/12/2016					0.0079	0.0037		0.0037	
8/15/2016									0.0083
8/16/2016							0.0028		
10/4/2016			0.011						

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	0.014	0.01		0.0094	0.0085				
10/6/2016						0.0062	0.003	0.004	0.0081
11/29/2016	0.013	0.0087							
11/30/2016			0.0098	0.0084	0.0086	0.0043		0.0035	
12/1/2016							0.0022 (J)		0.0083
2/7/2017			0.0096						
2/8/2017	0.013	0.0093		0.0091	0.011	0.0052			
2/9/2017							0.0035	0.0041	0.0087
4/5/2017		0.0098							
4/6/2017	0.014		0.01	0.011	0.0098	0.005	0.0032	0.0038	
4/7/2017									0.009
6/20/2017			0.01						
6/21/2017	0.013	0.0094		0.0081	0.011		0.0031	0.004	
6/22/2017						0.0052			0.0092
10/4/2017			0.011						
10/5/2017	0.014	0.0096		0.0083	0.01		0.0029		
10/6/2017						0.0049		0.0038	0.0095
3/20/2018	0.014	0.0097	0.0099						
3/21/2018				<0.002 (X)	<0.002 (X)	<0.002 (X)		<0.002 (X)	
3/22/2018							0.0086 (J+X)		0.0086 (J+X)
10/2/2018	0.014	0.0097	0.01						
10/3/2018				0.0091	0.0081	0.0039	0.003	0.0042	
10/4/2018									0.0083
3/26/2019	0.014	0.0091	0.0096	0.0092	0.0075	0.0084		0.0044	
3/27/2019							0.0039		0.0088
9/10/2019			0.014		0.0092	0.0067			
9/11/2019	0.017						0.0079	0.0078	0.013
9/12/2019		0.012		0.011					
3/18/2020	0.014		0.011		0.0049		0.0052	0.0046	
3/19/2020		0.012		0.0094		0.0045			0.011
9/9/2020	0.013	0.011	0.01				0.0048		
9/10/2020				0.009	0.0061	0.0055		0.0049	0.0098
4/1/2021	0.014		0.0057				0.0058		0.0091
4/2/2021						0.0052			
4/5/2021		0.012		0.008				0.005	
4/6/2021					0.0074				
8/11/2021	0.014	0.013		0.0087				0.005	0.0092
8/12/2021			0.012		0.0085	0.0045	0.0053		

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 3:01 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.002	0.0097
6/16/2010		0.0074
6/19/2010	<0.002	
7/27/2010		0.0068
7/28/2010	0.0034 (J)	
9/8/2010	0.014	0.007
4/29/2011		0.0062
4/30/2011	0.022	
10/27/2011	0.0064	0.0084
5/3/2012		0.0099
5/4/2012	0.0059	
11/11/2012	0.011	0.0073
5/9/2013		0.0085
5/10/2013	0.038 (O)	
11/6/2013		0.013
11/7/2013	0.012	
5/21/2014	0.0048 (J)	0.0097 (J)
11/12/2014		0.0072 (J)
11/13/2014	0.023	
5/23/2015	0.015	0.0095 (J)
11/11/2015	0.016	
11/12/2015		0.0046 (J)
4/13/2016		0.00627 (JD)
4/19/2016	0.0086 (J)	
6/22/2016		0.0079 (J)
8/15/2016		0.0075
10/6/2016		0.0071
10/10/2016	0.0052	
12/1/2016	0.0062	0.007
2/8/2017		0.0047
2/9/2017	0.0091	
4/6/2017		0.006
4/7/2017	<0.002	
6/21/2017	<0.002	0.0071
8/15/2017	<0.002	
9/1/2017	<0.002	
10/5/2017		0.008
10/9/2017	<0.002	
3/21/2018		<0.002 (X)
3/22/2018	0.0079 (J+X)	
10/2/2018		0.0081
10/4/2018	<0.002	
3/27/2019	<0.002	0.0064
9/11/2019	0.0052	0.012
3/18/2020	<0.002	0.0066
9/9/2020	<0.002	0.0081
4/1/2021		0.0018 (J)
4/5/2021	<0.002	
8/12/2021	<0.002	0.0077

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.0025						
5/9/2010	<0.0025	<0.0025					<0.0025	<0.0025	<0.0025
5/10/2010					<0.0025	<0.0025			
5/11/2010				<0.0025					
6/16/2010		<0.0025	<0.0025		<0.0025	<0.0025			
6/17/2010				<0.0025					
6/18/2010	<0.0025						<0.0025	<0.0025	<0.0025
7/26/2010			<0.0025						
7/27/2010		<0.0025		<0.0025		<0.0025	<0.0025		
7/28/2010	<0.0025				<0.0025				<0.0025
7/29/2010								<0.0025	
9/7/2010		<0.0025	<0.0025						
9/8/2010					<0.0025	<0.0025	<0.0025		
9/9/2010	<0.0025			<0.0025				<0.0025	<0.0025
4/26/2011								<0.0025	
4/28/2011				<0.0025					
4/29/2011		0.003 (O)	<0.0025		<0.0025	<0.0025	<0.0025		
4/30/2011	<0.0025								<0.0025
10/27/2011					<0.0025	<0.0025			
10/28/2011	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025	<0.0025
10/29/2011				<0.0025					
5/2/2012	<0.0025	<0.0025	<0.0025						
5/3/2012				<0.0025			<0.0025		<0.0025
5/4/2012					<0.0025	<0.0025		<0.0025	
11/9/2012	<0.0025	<0.0025	<0.0025	<0.0025					
11/10/2012						<0.0025	<0.0025		<0.0025
11/11/2012					<0.0025			<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
5/9/2013				<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013	<0.0025			<0.0025	<0.0025				<0.0025
11/6/2013		<0.0025	<0.0025			<0.0025	<0.0025		
11/7/2013								<0.0025	
5/20/2014	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
5/21/2014					<0.0025				
5/23/2014				<0.0025					
11/8/2014		<0.0025	<0.0025						
11/12/2014	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/13/2014				<0.0025					
5/22/2015	<0.0025	<0.0025	<0.0025						
5/23/2015				<0.0025	<0.0025		<0.0025		
5/24/2015						<0.0025		<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025						
11/11/2015	<0.0025			<0.0025					<0.0025
11/12/2015					<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2016	0.00261 (O)	<0.0025	<0.0025						
4/12/2016				<0.0025					
4/13/2016					<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)
6/15/2016	0.00092 (J)	2.2E-05 (J)	8.4E-05 (J)						
6/16/2016				<0.0025					
6/21/2016					<0.0025	<0.0025	0.0004 (J)	<0.0025	<0.0025
8/10/2016	0.00076 (J)	<0.0025	<0.0025						
8/11/2016				<0.0025					

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.0025	<0.0025	0.00042 (J)	<0.0025	<0.0025
10/4/2016	0.00081 (J)	<0.0025		<0.0025					<0.0025
10/5/2016			<0.0025		<0.0025	<0.0025	0.00049 (J)		
10/7/2016								<0.0025	
11/29/2016		<0.0025	<0.0025						
11/30/2016	0.00061 (J)			<0.0025					
12/1/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
2/8/2017					<0.0025	<0.0025	<0.0025		
2/9/2017								<0.0025	
4/4/2017	0.00084 (J)	<0.0025	<0.0025						
4/5/2017				<0.0025			<0.0025		
4/6/2017					<0.0025	<0.0025		<0.0025	<0.0025
6/20/2017	0.0012 (J)	<0.0025	<0.0025	<0.0025		<0.0025	0.0004 (J)		<0.0025
6/21/2017					<0.0025				
6/22/2017								<0.0025	
10/4/2017	0.00087 (J)			<0.0025					
10/5/2017		<0.0025	<0.0025		<0.0025	<0.0025	0.00041 (J)		<0.0025
10/6/2017								<0.0025	
3/20/2018	0.0018 (JD)	<0.0025	<0.0025	<0.0025					<0.0025
3/21/2018					<0.0025	<0.0025	<0.0025		
3/22/2018								<0.0025	
10/2/2018	0.0011 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
10/3/2018								<0.0025	
3/26/2019	0.0019 (J)	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
3/27/2019					<0.0025	<0.0025			
9/10/2019	0.0012 (J)	0.00031 (J)	0.00052 (J)	<0.0025					
9/11/2019					<0.0025	<0.0025	0.00042 (J)	<0.0025	<0.0025
3/18/2020	0.0017 (J)	0.00034 (J)	<0.0025	0.00017 (J)	<0.0025	<0.0025	0.00013 (J)	<0.0025	<0.0025
9/9/2020	0.0016 (J)	<0.0025	0.00019 (J)	<0.0025	<0.0025				<0.0025
9/10/2020						0.00033 (J)	0.00057 (J)	<0.0025	
4/1/2021	0.0024 (J)	0.00014 (J)	<0.0025	<0.0025	<0.0025	<0.0025	0.00028 (J)		<0.0025
4/6/2021								<0.0025	
8/11/2021	0.0011 (J)	<0.0025	<0.0025			<0.0025	0.00033 (J)	<0.0025	<0.0025
8/18/2021				0.00025 (J)					
10/18/2021					<0.0025				

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.0025								<0.0025
5/11/2010		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6/16/2010	<0.0025	<0.0025							
6/17/2010				<0.0025	<0.0025	<0.0025			
6/18/2010							<0.0025	<0.0025	<0.0025
6/19/2010			<0.0025						
7/26/2010	<0.0025								
7/27/2010		<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	
7/28/2010					0.0034 (O)	<0.0025			<0.0025
9/7/2010	<0.0025	<0.0025		<0.0025	<0.0025				
9/8/2010						<0.0025			
9/9/2010			<0.0025				<0.0025	<0.0025	<0.0025
4/28/2011			<0.0025			<0.0025			
4/29/2011	<0.0025	<0.0025		<0.0025	0.0037 (O)		<0.0025		
4/30/2011								<0.0025	<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
10/29/2011						<0.0025		<0.0025	<0.0025
5/2/2012	<0.0025	<0.0025							
5/3/2012			<0.0025	<0.0025	<0.0025	<0.0025			
5/4/2012							<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025	<0.0025		<0.0025				
11/10/2012				<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
5/8/2013	<0.0025								
5/9/2013		<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
5/10/2013					<0.0025	<0.0025			
11/5/2013			<0.0025						
11/6/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2013								<0.0025	<0.0025
5/21/2014								<0.0025	<0.0025
5/22/2014		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
5/23/2014	<0.0025								
11/8/2014	<0.0025	<0.0025							
11/9/2014				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2014									<0.0025
11/13/2014			<0.0025						
5/22/2015	0.0032 (O)				<0.0025	<0.0025			
5/23/2015		<0.0025							
5/24/2015			<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
11/10/2015	<0.0025	<0.0025		<0.0025	<0.0025				
11/11/2015			<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
4/11/2016	<0.0025	<0.0025							
4/12/2016			<0.0025	<0.0025	<0.0025 (D)	<0.0025		<0.0025	
4/13/2016									<0.0025 (D)
4/19/2016							<0.0025		
6/16/2016	<0.0025	<0.0025	<0.0025	0.00012 (J)					
6/20/2016					0.0001 (J)	0.00016 (J)		3E-05 (J)	8.6E-05 (J)
6/22/2016							<0.0025		
8/11/2016	<0.0025	<0.0025	<0.0025	<0.0025					
8/12/2016					0.00042 (J)	<0.0025		<0.0025	
8/15/2016									<0.0025
8/16/2016							<0.0025		
10/4/2016			<0.0025						

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.0025	<0.0025		<0.0025	<0.0025				
10/6/2016						0.00068 (J)	<0.0025	<0.0025	<0.0025
11/29/2016	<0.0025	<0.0025							
11/30/2016			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
12/1/2016							<0.0025		<0.0025
2/7/2017			<0.0025						
2/8/2017	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
2/9/2017							<0.0025	<0.0025	<0.0025
4/5/2017		<0.0025							
4/6/2017	<0.0025		<0.0025	0.0005 (J)	<0.0025	<0.0025	<0.0025	<0.0025	
4/7/2017									<0.0025
6/20/2017			<0.0025						
6/21/2017	<0.0025	<0.0025		<0.0025	0.00042 (J)		<0.0025	<0.0025	
6/22/2017						<0.0025			<0.0025
10/4/2017			<0.0025						
10/5/2017	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025		
10/6/2017						<0.0025		<0.0025	<0.0025
3/20/2018	<0.0025	<0.0025	<0.0025						
3/21/2018				<0.0025	<0.0025	<0.0025		<0.0025	
3/22/2018							<0.0025		<0.0025
10/2/2018	<0.0025	<0.0025	<0.0025						
10/3/2018				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/4/2018									<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00096 (J)		<0.0025	
3/27/2019							<0.0025		<0.0025
9/10/2019			0.00015 (J)		0.00028 (J)	<0.0025			
9/11/2019	0.00023 (J)						9.9E-05 (J)	8.7E-05 (J)	0.00016 (J)
9/12/2019		0.00021 (J)		0.00021 (J)					
3/18/2020	0.00018 (J)		<0.0025		0.00014 (J)		<0.0025	<0.0025	
3/19/2020		0.00014 (J)		0.00026 (J)		0.00021 (J)			0.00013 (J)
9/9/2020	0.00014 (J)	<0.0025	<0.0025				<0.0025		
9/10/2020				0.00018 (J)	0.00023 (J)	0.00032 (J)		<0.0025	0.00038 (J)
4/1/2021	<0.0025		<0.0025				<0.0025		0.00015 (J)
4/2/2021						0.00026 (J)			
4/5/2021		<0.0025		<0.0025				0.00015 (J)	
4/6/2021					0.00031 (J)				
8/11/2021	0.00021 (J)	<0.0025		<0.0025				<0.0025	<0.0025
8/12/2021			0.0002 (J)		0.00067 (J)	<0.0025	<0.0025		



# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.0025	<0.0025
6/16/2010		<0.0025
6/19/2010	<0.0025	
7/27/2010		<0.0025
7/28/2010	<0.0025	
9/8/2010	<0.0025	<0.0025
4/29/2011		<0.0025
4/30/2011	0.0063 (O)	
10/27/2011	<0.0025	<0.0025
5/3/2012		<0.0025
5/4/2012	<0.0025	
11/11/2012	<0.0025	<0.0025
5/9/2013		<0.0025
5/10/2013	0.0068 (O)	
11/6/2013		<0.0025
11/7/2013	<0.0025	
5/21/2014	<0.0025	<0.0025
11/12/2014		<0.0025
11/13/2014	0.0046	
5/23/2015	<0.0025	<0.0025
11/11/2015	<0.0025	
11/12/2015		<0.0025
4/13/2016		<0.0025 (D)
4/19/2016	<0.0025	
6/22/2016		<0.0025
8/15/2016		<0.0025
10/6/2016		<0.0025
10/10/2016	<0.0025	
12/1/2016	0.00068 (J)	<0.0025
2/8/2017		<0.0025
2/9/2017	0.0009 (J)	
4/6/2017		<0.0025
4/7/2017	0.0011 (J)	
6/21/2017	0.00064 (J)	<0.0025
8/15/2017	0.001 (J)	
9/1/2017	0.00089 (J)	
10/5/2017		<0.0025
10/9/2017	0.00085 (J)	
3/21/2018		<0.0025
3/22/2018	<0.0004 (o)	
10/2/2018		<0.0025
10/4/2018	0.00048 (J)	
3/27/2019	0.0012 (J)	<0.0025
9/11/2019	0.00085 (J)	0.00016 (J)
3/18/2020	0.0027	<0.0025
9/9/2020	0.0043	0.00023 (J)
4/1/2021		0.00015 (J)
4/5/2021	0.0026	
8/12/2021	0.0019 (J)	0.00013 (J)

# Time Series

Constituent: Copper (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.002						
5/9/2010	<0.002	<0.002					<0.002	<0.002	<0.002
5/10/2010					<0.002	<0.002			
5/11/2010				<0.002					
6/16/2010		<0.002	<0.002		<0.002	<0.002			
6/17/2010				<0.002					
6/18/2010	<0.002						<0.002	<0.002	<0.002
7/26/2010			<0.002						
7/27/2010		<0.002		<0.002		<0.002	<0.002		
7/28/2010	<0.002				<0.002				<0.002
7/29/2010								<0.002	
9/7/2010		<0.002	<0.002						
9/8/2010					<0.002	<0.002	<0.002		
9/9/2010	<0.002			<0.002				<0.002	<0.002
4/26/2011								<0.002	
4/28/2011				<0.002					
4/29/2011		<0.002	<0.002		<0.002	<0.002	<0.002		
4/30/2011	<0.002								<0.002
10/27/2011					<0.002	<0.002			
10/28/2011	<0.002	<0.002	<0.002				<0.002	<0.002	<0.002
10/29/2011				<0.002					
5/2/2012	<0.002	<0.002	<0.002						
5/3/2012				<0.002			<0.002		0.0021 (J)
5/4/2012					<0.002	<0.002		0.0024 (J)	
11/9/2012	<0.002	<0.002	<0.002	<0.002					
11/10/2012						<0.002	<0.002		<0.002
11/11/2012					<0.002			<0.002	
5/8/2013	<0.002	<0.002	<0.002					<0.002	<0.002
5/9/2013				<0.002	<0.002	<0.002	<0.002		
11/5/2013	<0.002			<0.002	<0.002				<0.002
11/6/2013		<0.002	<0.002			<0.002	<0.002		
11/7/2013								<0.002	
5/20/2014	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
5/21/2014					<0.002				
5/23/2014				<0.002					
11/8/2014		<0.002	<0.002						
11/12/2014	<0.002				<0.002	<0.002	<0.002	<0.002	<0.002
11/13/2014				<0.002					
5/22/2015	<0.002	<0.002	<0.002						
5/23/2015				<0.002	<0.002		<0.002		
5/24/2015						<0.002		<0.002	<0.002
11/9/2015		<0.002	<0.002						
11/11/2015	<0.002			<0.002					<0.002
11/12/2015					<0.002	<0.002	<0.002	<0.002	
4/6/2016	<0.002	<0.002	<0.002						
4/12/2016				<0.002					
4/13/2016					<0.002 (D)	<0.002 (D)	<0.002 (D)	<0.002 (D)	<0.002 (D)
10/4/2016	<0.002	<0.002		<0.002					<0.002
10/5/2016			<0.002		<0.002	<0.002	<0.002		
10/7/2016								<0.002	
4/4/2017	<0.002	<0.002	<0.002						
4/5/2017				<0.002			<0.002		

# Time Series

Constituent: Copper (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017					<0.002	<0.002		<0.002	<0.002
10/4/2017	<0.002			<0.002					
10/5/2017		<0.002	<0.002		<0.002	0.0021 (J)	<0.002		<0.002
10/6/2017								<0.002	
3/20/2018	<0.002 (D)	<0.002	<0.002	<0.002					<0.002
3/21/2018					<0.002	<0.002	<0.002 (D)		
3/22/2018								<0.002	
10/2/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
10/3/2018								<0.002	
3/26/2019	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
3/27/2019					<0.002	<0.002			
9/10/2019	<0.002	0.00095 (J)	0.0012 (J)	<0.002					
9/11/2019					<0.002	<0.002	<0.002	<0.002	<0.002
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002				<0.002
9/10/2020						0.0007 (J)	<0.002	<0.002	
4/1/2021	<0.002	0.00074 (J)	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
4/6/2021								<0.002	
8/11/2021	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
8/18/2021				0.0011 (J)					
10/18/2021					<0.002				

# Time Series

Constituent: Copper (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.002								<0.002
5/11/2010		<0.002	<0.002	<0.002	0.003 (J)	<0.002	<0.002	<0.002	
6/16/2010	0.0025 (J)	<0.002							
6/17/2010				<0.002	<0.002	0.0022 (J)			
6/18/2010							<0.002	0.0026 (J)	0.008 (O)
6/19/2010			<0.002						
7/26/2010	0.0023 (J)								
7/27/2010		<0.002	<0.002	0.0021 (J)			<0.002	0.0029 (J)	
7/28/2010					0.012 (O)	0.0033 (J)			0.0021 (J)
9/7/2010	<0.002	<0.002		<0.002	0.0026 (J)				
9/8/2010						<0.002			
9/9/2010			<0.002				<0.002	<0.002	<0.002
4/28/2011			<0.002			0.0037 (J)			
4/29/2011	<0.002	<0.002		<0.002	<0.002		<0.002		
4/30/2011								<0.002	<0.002
10/28/2011	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002		
10/29/2011						<0.002		<0.002	<0.002
5/2/2012	<0.002	<0.002							
5/3/2012			<0.002	<0.002	<0.002	0.0031 (J)			
5/4/2012							<0.002	0.0037 (J)	<0.002
11/9/2012	<0.002	<0.002	<0.002		<0.002				
11/10/2012				<0.002		0.0021 (J)	<0.002	<0.002	<0.002
5/8/2013	<0.002								
5/9/2013		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
5/10/2013					0.0042 (J)	0.0025 (J)			
11/5/2013			<0.002						
11/6/2013	<0.002	<0.002		<0.002	<0.002	0.0032 (J)	<0.002		
11/7/2013								<0.002	0.0022 (J)
5/21/2014								<0.002	<0.002
5/22/2014		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
5/23/2014	<0.002								
11/8/2014	<0.002	<0.002							
11/9/2014				<0.002	<0.002	<0.002	<0.002	<0.002	
11/12/2014									<0.002
11/13/2014			<0.002						
5/22/2015	<0.002				<0.002	<0.002			
5/23/2015		<0.002							
5/24/2015			<0.002	<0.002			<0.002	<0.002	0.0022 (J)
11/10/2015	<0.002	<0.002		<0.002	<0.002				
11/11/2015			<0.002			0.002 (J)	<0.002	<0.002	<0.002
4/11/2016	<0.002	<0.002							
4/12/2016			<0.002	<0.002	<0.002 (D)	<0.002		<0.002	
4/13/2016									<0.002 (D)
4/19/2016							<0.002		
10/4/2016			<0.002						
10/5/2016	<0.002	<0.002		<0.002	<0.002				
10/6/2016						0.0022 (J)	<0.002	<0.002	<0.002
4/5/2017		<0.002							
4/6/2017	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
4/7/2017									<0.002
10/4/2017			<0.002						
10/5/2017	<0.002	<0.002		<0.002	<0.002		<0.002		

# Time Series

Constituent: Copper (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/6/2017						<0.002		<0.002	0.0026
3/20/2018	<0.002	<0.002	<0.002						
3/21/2018				<0.002	<0.002	<0.002		<0.002	
3/22/2018							<0.002		<0.002
10/2/2018	<0.002	<0.002	<0.002						
10/3/2018				<0.002	<0.002	<0.002	<0.002	<0.002	
10/4/2018									<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	<0.002	0.0039		<0.002	
3/27/2019							<0.002		<0.002
9/10/2019			<0.002		0.0011 (J)	0.0017 (J)			
9/11/2019	0.00084 (J)						<0.002	0.00066 (J)	0.00086 (J)
3/18/2020	<0.002		<0.002		<0.002		<0.002	<0.002	
3/19/2020		<0.002		<0.002		<0.002			<0.002
9/9/2020	0.00084 (J)	<0.002	<0.002				<0.002		
9/10/2020				<0.002	0.00072 (J)	0.0011 (J)		<0.002	0.0024
4/1/2021	<0.002		0.00069 (J)				<0.002		0.00094 (J)
4/2/2021						0.0012 (J)			
4/5/2021		<0.002		<0.002				<0.002	
4/6/2021					0.00088 (J)				
8/11/2021	<0.002	<0.002		<0.002				<0.002	<0.002
8/12/2021			0.00078 (J)		0.0019 (J)	<0.002	<0.002		

# Time Series

Constituent: Copper (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
5/10/2010	0.0036 (J)	<0.002
6/16/2010		<0.002
6/19/2010	0.004 (J)	
7/27/2010		<0.002
7/28/2010	0.013	
9/8/2010	0.068	<0.002
4/29/2011		<0.002
4/30/2011	0.098	
10/27/2011	0.02	<0.002
5/3/2012		0.0023
5/4/2012	0.024	
11/11/2012	0.032	<0.002
5/9/2013		<0.002
5/10/2013	0.18	
11/6/2013		<0.002
11/7/2013	0.021	
5/21/2014	0.0089 (J)	<0.002
11/12/2014		<0.002
11/13/2014	0.1	
5/23/2015	0.048	<0.002
11/11/2015	0.059	
11/12/2015		<0.002
4/13/2016		<0.002 (D)
4/19/2016	0.0131 (J)	
10/6/2016		<0.002
10/10/2016	0.0046	
4/6/2017		<0.002
4/7/2017	<0.002	
10/5/2017		<0.002
10/9/2017	<0.002	
3/21/2018		0.0038
3/22/2018	<0.002	
10/2/2018		<0.002
10/4/2018	<0.002	
3/27/2019	<0.002	<0.002
9/11/2019	<0.002	<0.002
3/18/2020	<0.002	<0.002
9/9/2020	<0.002	<0.002
4/1/2021		<0.002
4/5/2021	<0.002	
8/12/2021	<0.002	<0.002

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2016	0.017 (J)	0.048 (J)	0.039 (J)						
4/12/2016				0.087 (J)					
4/13/2016					0.082 (JD)	0.061 (JD)	0.01 (JD)	0.039 (JD)	0.027 (JD)
6/15/2016	<0.1	<0.1	<0.1						
6/16/2016				0.04 (J)					
6/21/2016					0.02 (J)	0.03 (J)	<0.1	<0.1	<0.1
8/10/2016	<0.1	<0.1	<0.1						
8/11/2016				0.092 (J)					
8/15/2016					<0.1	<0.1	<0.1	<0.1	<0.1
10/4/2016	<0.1	<0.1		<0.1					<0.1
10/5/2016			<0.1		<0.1	<0.1	<0.1		
10/7/2016								<0.1	
11/29/2016		<0.1	<0.1						
11/30/2016	<0.1			0.091 (J)					
12/1/2016					<0.1	<0.1	<0.1	<0.1	<0.1
2/7/2017	<0.1	<0.1	<0.1	<0.1					<0.1
2/8/2017					<0.1	<0.1	<0.1		
2/9/2017								<0.1	
4/4/2017	<0.1	<0.1	<0.1						
4/5/2017				<0.1			<0.1		
4/6/2017					<0.1	<0.1		<0.1	<0.1
6/20/2017	<0.1	<0.1	<0.1	0.082 (J)		<0.1	<0.1		<0.1
6/21/2017					<0.1				
6/22/2017								<0.1	
10/4/2017	<0.1			<0.1					
10/5/2017		<0.1	<0.1		<0.1	<0.1	<0.1		<0.1
10/6/2017								<0.1	
3/20/2018	<0.1 (D)	<0.1	<0.1	<0.1					<0.1
3/21/2018					<0.1	<0.1	<0.1 (D)		
3/22/2018								<0.1	
10/2/2018	<0.1	<0.1	<0.1	0.089 (J)	<0.1	<0.1	<0.1		<0.1
10/3/2018								<0.1	
3/26/2019	<0.1	0.041 (J)	0.042 (J)	0.072 (J)			0.026 (J)	0.04 (J)	0.034 (J)
3/27/2019					0.077 (J)	0.048 (J)			
9/10/2019	<0.1	0.047 (J)	0.046 (J)	0.077 (J)					
9/11/2019					0.067 (J)	0.054 (J)	0.039 (J)	0.051 (J)	0.045 (J)
3/18/2020	0.036 (J)	0.041 (J)	0.071 (J)	0.098 (J)	0.088 (J)	0.064 (J)	0.046 (J)	0.055 (J)	0.068 (J)
9/9/2020	<0.1	0.034 (J)	0.036 (J)	0.069 (J)	0.055 (J)				<0.1
9/10/2020						0.052 (J)	<0.1	0.034 (J)	
4/1/2021	<0.1	0.035 (J)	0.042 (J)	0.081 (J)	0.086 (J)	0.042 (J)	<0.1		<0.1
4/6/2021								0.026 (J)	
8/11/2021	0.036 (J)	0.05 (J)	0.053 (J)			0.051 (J)	0.029 (J)	0.045 (J)	0.045 (J)
8/17/2021					0.083 (J)				
10/18/2021				0.081 (J)					

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
4/11/2016	0.047 (J)	0.048 (J)							
4/12/2016			0.046 (J)	0.056 (J)	0.057 (JD)	0.121 (J)		0.061 (J)	
4/13/2016									0.061 (JD)
4/19/2016							0.024 (J)		
6/16/2016	<0.1	<0.1	<0.1	<0.1					
6/20/2016					0.04 (J)	0.04 (J)		<0.1	0.12 (J)
6/22/2016							<0.1		
8/11/2016	<0.1	<0.1	<0.1	<0.1					
8/15/2016									<0.1
8/16/2016					<0.1	0.13 (J)	<0.1	<0.1	
10/4/2016			<0.1						
10/5/2016	<0.1	<0.1		<0.1	<0.1				
10/6/2016						0.1 (J)	<0.1	<0.1	<0.1
11/29/2016	<0.1	<0.1							
11/30/2016			<0.1	<0.1	<0.1	0.13 (J)		<0.1	
12/1/2016							<0.1		<0.1
2/7/2017			<0.1						
2/8/2017	<0.1	<0.1		<0.1	<0.1	0.093 (J)			
2/9/2017							<0.1	<0.1	<0.1
4/5/2017		<0.1							
4/6/2017	<0.1		<0.1	<0.1	<0.1	0.1 (J)	<0.1	<0.1	
4/7/2017									<0.1
6/20/2017			<0.1						
6/21/2017	<0.1	<0.1		<0.1	<0.1		<0.1	<0.1	
6/22/2017						0.11 (J)			<0.1
10/4/2017			<0.1						
10/5/2017	<0.1	<0.1		<0.1	<0.1		<0.1		
10/6/2017						0.096 (J)		<0.1	<0.1
3/20/2018	<0.1	<0.1	<0.1						
3/21/2018				<0.1	<0.1	0.094 (J)		<0.1	
3/22/2018							<0.1		<0.1
10/2/2018	<0.1	<0.1	<0.1						
10/3/2018				<0.1	<0.1	0.1 (J+X)	<0.1	<0.1	
10/4/2018									<0.1
3/26/2019	0.046 (J)	0.04 (J)	0.046 (J)	0.045 (J)	0.046 (J)	0.087 (J)		0.058 (J)	
3/27/2019							0.038 (J)		0.04 (J)
9/10/2019			0.048 (J)		0.058 (J)	0.097 (J)			
9/11/2019	0.055 (J)						0.045 (J)	0.058 (J)	0.057 (J)
9/12/2019		0.032 (J)		0.044 (J)					
3/18/2020	<0.1		0.055 (J)		0.091 (J)		0.055 (J)	0.082 (J)	
3/19/2020		<0.1		<0.1		0.038 (J)			<0.1
9/9/2020	0.045 (J)	0.034 (J)	0.033 (J)				0.033 (J)		
9/10/2020				0.051 (J)	0.063 (J)	0.1		0.052 (J)	0.053 (J)
4/1/2021	0.041 (J)		0.043 (J)				0.029 (J)		0.072 (J)
4/2/2021						0.097 (J)			
4/6/2021					0.045 (J)				
6/1/2021		0.026 (J)		0.033 (J)					
6/2/2021								0.038 (J)	
8/11/2021	0.062 (J)	0.047 (J)		0.051 (J)				0.055 (J)	0.058 (J)
8/12/2021			0.054 (J)		0.084 (J)	0.11	0.045 (J)		



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
4/13/2016		0.083 (JD)
4/19/2016	0.135 (J)	
6/22/2016		0.03 (J)
8/15/2016		<0.1
10/6/2016		<0.1
10/10/2016	0.12 (J)	
12/1/2016	0.12 (J)	<0.1
2/8/2017		<0.1
2/9/2017	0.11 (J)	
4/6/2017		<0.1
4/7/2017	0.15 (J)	
6/21/2017	0.21	<0.1
8/15/2017	0.1 (J)	
9/1/2017	0.084 (J)	
10/5/2017		0.084 (J)
3/21/2018		<0.1
3/22/2018	0.091 (J)	
10/2/2018		<0.1
10/4/2018	0.14 (J+X)	
3/27/2019	0.071 (J)	0.066 (J)
9/11/2019	0.071 (J)	0.067 (J)
3/18/2020	0.073 (J)	0.096 (J)
9/9/2020	0.038 (J)	0.067 (J)
4/1/2021		0.072 (J)
6/1/2021	0.034 (J)	
8/12/2021	0.087 (J)	0.085 (J)

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.001						
5/9/2010	<0.001	0.0021 (J)					<0.001	<0.001	<0.001
5/10/2010					<0.001	<0.001			
5/11/2010				<0.001					
6/16/2010		0.0028 (J)	0.0021 (J)		0.002 (J)	<0.001			
6/17/2010				0.0026 (J)					
6/18/2010	<0.001						<0.001	0.0021	<0.001
7/26/2010			<0.001						
7/27/2010		<0.001		<0.001		<0.001	<0.001		
7/28/2010	<0.001				<0.001				<0.001
7/29/2010								<0.001	
9/7/2010		<0.001	<0.001						
9/8/2010					<0.001	<0.001	<0.001		
9/9/2010	<0.001			<0.001				<0.001	<0.001
4/26/2011								<0.001	
4/28/2011				0.0036 (J)					
4/29/2011		0.0032 (J)	0.0024 (J)		0.003 (J)	0.0032 (J)	<0.001		
4/30/2011	<0.001								<0.001
10/27/2011					0.0027 (J)	0.0027 (J)			
10/28/2011	<0.001	0.0025 (J)	0.002 (J)				<0.001	<0.001	<0.001
10/29/2011				0.0038 (J)					
5/2/2012	<0.001	<0.001	<0.001						
5/3/2012				<0.001			<0.001		<0.001
5/4/2012					<0.001	<0.001		<0.001	
11/9/2012	<0.001	0.0024 (J)	<0.001	0.0024 (J)					
11/10/2012						0.0025 (J)	<0.001		<0.001
11/11/2012					0.0022 (J)			<0.001	
5/8/2013	<0.001	0.0051	0.0034 (J)					0.0036	0.0024
5/9/2013				0.0085	0.007	0.0051	<0.001		
11/5/2013	<0.001			0.0042 (J)	0.0048 (J)				0.0028
11/6/2013		0.0033 (J)	0.0028 (J)			0.0037 (J)	<0.001		
11/7/2013								<0.001	
5/20/2014	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
5/21/2014					<0.001				
5/23/2014				<0.001					
11/8/2014		<0.001	<0.001						
11/12/2014	<0.001				0.002 (J)	<0.001	<0.001	<0.001	<0.001
11/13/2014				<0.001					
5/22/2015	<0.001	0.0036 (J)	0.0032 (J)						
5/23/2015				0.0044 (J)	0.0035 (J)		<0.001		
5/24/2015						0.0037 (J)		<0.001	<0.001
11/9/2015		0.0039 (J)	<0.001						
11/11/2015	<0.001			0.0042 (J)					<0.001
11/12/2015					0.0032 (J)	0.0038 (J)	<0.001	<0.001	
4/6/2016	<0.001	<0.001	<0.001						
4/12/2016				<0.001					
4/13/2016					<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001						
6/16/2016				<0.001					
6/21/2016					<0.001	<0.001	<0.001	<0.001	<0.001
8/10/2016	<0.001	<0.001	<0.001						
8/11/2016				<0.001					

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.001	<0.001	<0.001	<0.001	<0.001
10/4/2016	<0.001	<0.001		<0.001					<0.001
10/5/2016			<0.001		<0.001	<0.001	<0.001		
10/7/2016								<0.001	
11/29/2016		<0.001	<0.001						
11/30/2016	<0.001			<0.001					
12/1/2016					<0.001	<0.001	<0.001	<0.001	<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001					<0.001
2/8/2017					<0.001	<0.001	<0.001		
2/9/2017								<0.001	
4/4/2017	<0.001	<0.001	<0.001						
4/5/2017				<0.001			<0.001		
4/6/2017					<0.001	<0.001		<0.001	<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001
6/21/2017					<0.001				
6/22/2017								<0.001	
10/4/2017	<0.001			0.00067 (J)					
10/5/2017		<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
10/6/2017								0.00061 (J)	
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001					<0.001
3/21/2018					<0.001	<0.001	<0.001 (D)		
3/22/2018								<0.001	
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
10/3/2018								<0.001	
3/26/2019	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
3/27/2019					<0.001	<0.001			
9/10/2019	<0.001	0.00016 (J)	0.00022 (J)	<0.001					
9/11/2019					<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001	<0.001	0.00023 (J)	<0.001	0.0017	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001
9/10/2020						0.00014 (J)	<0.001	<0.001	
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
4/6/2021								<0.001	
8/11/2021	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
8/18/2021				<0.001					
10/18/2021					<0.001				

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.001								<0.001
5/11/2010		<0.001	<0.001	0.0026 (J)	0.011	<0.001	<0.001	<0.001	
6/16/2010	0.0023 (J)	0.0022 (J)							
6/17/2010				0.0021 (J)	0.0027 (J)	<0.001			
6/18/2010							0.0024	<0.001	0.0027 (J)
6/19/2010			0.003 (J)						
7/26/2010	<0.001								
7/27/2010		<0.001	<0.001	<0.001			<0.001	<0.001	
7/28/2010					<0.001	<0.001			<0.001
9/7/2010	<0.001	<0.001		<0.001	<0.001				
9/8/2010						0.002 (J)			
9/9/2010			<0.001				<0.001	<0.001	0.002 (J)
4/28/2011			0.0037 (J)			0.0042 (J)			
4/29/2011	0.0033 (J)	0.0029 (J)		0.0032 (J)	0.0038 (J)		0.0028		
4/30/2011								0.0034 (J)	0.0037 (J)
10/28/2011	0.0023 (J)	0.0021 (J)	0.003 (J)	0.0025 (J)	<0.001		<0.001		
10/29/2011						0.0036 (J)		0.0041 (J)	0.0025 (J)
5/2/2012	<0.001	<0.001							
5/3/2012			<0.001	<0.001	<0.001	<0.001			
5/4/2012							<0.001	<0.001	<0.001
11/9/2012	<0.001	0.002 (J)	0.003 (J)		0.0029 (J)				
11/10/2012				<0.001		0.0023 (J)	<0.001	0.0023 (J)	0.003 (J)
5/8/2013	0.0052								
5/9/2013		0.0056	0.0063	0.0056			0.0061	0.0067	0.0064
5/10/2013					0.0061	0.0062			
11/5/2013			0.0043 (J)						
11/6/2013	0.003 (J)	0.0035 (J)		0.0032 (J)	0.0025 (J)	0.0043 (J)	0.0034		
11/7/2013								0.0048 (J)	0.0037 (J)
5/21/2014								<0.001	<0.001
5/22/2014		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
5/23/2014	<0.001								
11/8/2014	<0.001	<0.001							
11/9/2014				<0.001	<0.001	<0.001	<0.001	<0.001	
11/12/2014									<0.001
11/13/2014			0.0021 (J)						
5/22/2015	0.0023 (J)				0.0034 (J)	0.0046 (J)			
5/23/2015		0.0047 (J)							
5/24/2015			0.0043 (J)	0.0044 (J)			0.0093 (O)	0.0045 (J)	0.0053 (J)
11/10/2015	0.0025 (J)	0.0044 (J)		0.0038 (J)	0.0021 (J)				
11/11/2015			0.0032 (J)			0.0028 (J)	0.0071	0.0048 (J)	0.0022 (J)
4/11/2016	<0.001	<0.001							
4/12/2016			<0.001	<0.001	<0.001 (D)	<0.001		<0.001	
4/13/2016									<0.001 (D)
4/19/2016							<0.001		
6/16/2016	<0.001	<0.001	<0.001	<0.001					
6/20/2016					<0.001	<0.001		<0.001	<0.001
6/22/2016							<0.001		
8/11/2016	<0.001	<0.001	<0.001	<0.001					
8/12/2016					<0.001	<0.001		<0.001	
8/15/2016									<0.001
8/16/2016							<0.001		
10/4/2016			<0.001						

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.001	<0.001		<0.001	<0.001				
10/6/2016						<0.001	<0.001	<0.001	<0.001
11/29/2016	<0.001	<0.001							
11/30/2016			<0.001	<0.001	<0.001	<0.001		<0.001	
12/1/2016							<0.001		<0.001
2/7/2017			<0.001						
2/8/2017	<0.001	<0.001		<0.001	<0.001	<0.001			
2/9/2017							<0.001	<0.001	<0.001
4/5/2017		0.0009 (J)							
4/6/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4/7/2017									<0.001
6/20/2017			<0.001						
6/21/2017	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	
6/22/2017						<0.001			<0.001
10/4/2017			<0.001						
10/5/2017	<0.001	0.0015		<0.001	<0.001		<0.001		
10/6/2017						<0.001		<0.001	<0.001
3/20/2018	<0.001	<0.001	<0.001						
3/21/2018				<0.001	<0.001	<0.001		<0.001	
3/22/2018							<0.001		<0.001
10/2/2018	<0.001	<0.001	<0.001						
10/3/2018				<0.001	0.00037 (J)	<0.001	<0.001	<0.001	
10/4/2018									<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
3/27/2019							<0.001		<0.001
9/10/2019			<0.001		<0.001	<0.001			
9/11/2019	<0.001						<0.001	<0.001	<0.001
9/12/2019		<0.001		<0.001					
3/18/2020	<0.001		0.00014 (J)		<0.001		<0.001	<0.001	
3/19/2020		<0.001		<0.001		0.00019 (J)			<0.001
9/9/2020	<0.001	<0.001	<0.001				<0.001		
9/10/2020				<0.001	<0.001	<0.001		<0.001	0.00017 (J)
4/1/2021	<0.001		<0.001				<0.001		<0.001
4/2/2021						<0.001			
4/5/2021		0.00014 (J)		<0.001				<0.001	
4/6/2021					<0.001				
8/11/2021	<0.001	<0.001		<0.001				<0.001	0.00014 (J)
8/12/2021			<0.001		0.00014 (J)	<0.001	<0.001		

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.001	<0.001
6/16/2010		0.003 (J)
6/19/2010	<0.001	
7/27/2010		<0.001
7/28/2010	<0.001	
9/8/2010	0.0023 (J)	<0.001
4/29/2011		0.0039 (J)
4/30/2011	0.011 (O)	
10/27/2011	0.0055	0.0043 (J)
5/3/2012		<0.001
5/4/2012	0.0029 (J)	
11/11/2012	0.0052	0.0025 (J)
5/9/2013		0.0067
5/10/2013	0.023 (O)	
11/6/2013		0.0069
11/7/2013	0.0083	
5/21/2014	<0.001	<0.001
11/12/2014		0.002 (J)
11/13/2014	0.0085	
5/23/2015	0.0077	0.003 (J)
11/11/2015	0.008	
11/12/2015		0.0044 (J)
4/13/2016		<0.001 (D)
4/19/2016	<0.001	
6/22/2016		<0.001
8/15/2016		<0.001
10/6/2016		<0.001
10/10/2016	<0.001	
12/1/2016	0.00047 (J)	<0.001
2/8/2017		<0.001
2/9/2017	0.0012 (J)	
4/6/2017		<0.001
4/7/2017	<0.001	
6/21/2017	<0.001	<0.001
8/15/2017	<0.001	
9/1/2017	<0.001	
10/5/2017		<0.001
10/9/2017	<0.001	
3/21/2018		<0.001
3/22/2018	<0.001	
10/2/2018		<0.001
10/4/2018	<0.001	
3/27/2019	<0.001	<0.001
9/11/2019	<0.001	<0.001
3/18/2020	<0.001	<0.001
9/9/2020	<0.001	<0.001
4/1/2021		<0.001
4/5/2021	0.00034 (J)	
8/12/2021	<0.001	<0.001

# Time Series

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.0002						
5/9/2010	<0.0002	<0.0002					<0.0002	8.2E-05 (J)	9.1E-05 (J)
5/10/2010					<0.0002	<0.0002			
5/11/2010				<0.0002					
6/16/2010		<0.0002	<0.0002		<0.0002	<0.0002			
6/17/2010				<0.0002					
6/18/2010	<0.0002						<0.0002	<0.0002	<0.0002
7/26/2010			<0.0002						
7/27/2010		<0.0002		<0.0002		<0.0002	<0.0002		
7/28/2010	<0.0002				<0.0002				<0.0002
7/29/2010								<0.0002	
9/7/2010		7.4E-05 (J)	7.8E-05 (J)						
9/8/2010					8.8E-05 (J)	<0.0002	<0.0002		
9/9/2010	<0.0002			<0.0002				<0.0002	<0.0002
4/26/2011								<0.0002	
4/28/2011				<0.0002					
4/29/2011		<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		
4/30/2011	<0.0002								<0.0002
10/27/2011					<0.0002	<0.0002			
10/28/2011	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	<0.0002
10/29/2011				<0.0002					
5/2/2012	<0.0002	<0.0002	<0.0002						
5/3/2012				<0.0002			<0.0002		<0.0002
5/4/2012					<0.0002	<0.0002		<0.0002	
11/9/2012	<0.0002	<0.0002	<0.0002	<0.0002					
11/10/2012						<0.0002	<0.0002		<0.0002
11/11/2012					<0.0002			<0.0002	<0.0002
5/8/2013	7E-05 (J)	8E-05 (J)	<0.0002					<0.0002	<0.0002
5/9/2013				<0.0002	<0.0002	0.00019	<0.0002		
11/5/2013	<0.0002			7.3E-05 (J)	0.00011 (J)				0.00016
11/6/2013		0.00014	0.00011			0.00014	<0.0002		
11/7/2013								0.0001	
5/20/2014	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002
5/21/2014					<0.0002				
5/23/2014				<0.0002					
11/8/2014		<0.0002	<0.0002						
11/12/2014	<0.0002				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/13/2014				<0.0002					
5/22/2015	7.2E-05 (J)	<0.0002	7.1E-05 (J)						
5/23/2015				<0.0002	<0.0002		<0.0002		
5/24/2015						<0.0002		<0.0002	<0.0002
11/9/2015		<0.0002	<0.0002						
11/11/2015	<0.0002			<0.0002					<0.0002
11/12/2015					<0.0002	<0.0002	<0.0002	<0.0002	
4/6/2016	<0.0002	<0.0002	<0.0002						
4/12/2016				<0.0002					
4/13/2016					<0.0002 (D)	<0.0002 (D)	<0.0002 (D)	<0.0002 (D)	<0.0002 (D)
6/15/2016	<0.0002	<0.0002	<0.0002						
6/16/2016				<0.0002					
6/21/2016					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/10/2016	<0.0002	<0.0002	<0.0002						
8/11/2016				<0.0002					

# Time Series

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/4/2016	<0.0002	<0.0002		<0.0002					<0.0002
10/5/2016			<0.0002		<0.0002	<0.0002	<0.0002		
10/7/2016								<0.0002	
11/29/2016		<0.0002	<0.0002						
11/30/2016	<0.0002			<0.0002					
12/1/2016					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/7/2017	<0.0002	<0.0002	<0.0002	7E-05 (J)					<0.0002
2/8/2017					7.6E-05 (J)	<0.0002	<0.0002		
2/9/2017								<0.0002	
4/4/2017	<0.0002	<0.0002	<0.0002						
4/5/2017				<0.0002			<0.0002		
4/6/2017					<0.0002	<0.0002		<0.0002	<0.0002
6/20/2017	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002
6/21/2017					<0.0002				
6/22/2017								<0.0002	
10/4/2017	<0.0002			<0.0002					
10/5/2017		<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		<0.0002
10/6/2017								<0.0002	
3/20/2018	<0.0002 (D)	<0.0002	<0.0002 (X)	<0.0002 (X)					<0.0002
3/21/2018					<0.0002	<0.0002	<0.0002 (D)		
3/22/2018								<0.0002 (X)	
10/2/2018	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)		<0.0002 (X)
10/3/2018								<0.0002 (X)	
3/26/2019	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002
3/27/2019					<0.0002	<0.0002			
9/10/2019	<0.0002	<0.0002	<0.0002	<0.0002					
9/11/2019					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
9/10/2020						<0.0002	<0.0002	<0.0002	
4/1/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
4/6/2021								<0.0002	
8/11/2021	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002
8/17/2021					<0.0002				
8/18/2021				<0.0002					



# Time Series

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.0002								<0.0002
5/11/2010		<0.0002	<0.0002	8.5E-05	<0.0002	<0.0002	<0.0002	<0.0002	
6/16/2010	<0.0002	<0.0002							
6/17/2010				<0.0002	<0.0002	<0.0002			
6/18/2010							<0.0002	<0.0002	<0.0002
6/19/2010			<0.0002						
7/26/2010	<0.0002								
7/27/2010		<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	
7/28/2010					<0.0002	<0.0002			<0.0002
9/7/2010	<0.0002	0.00011		0.0001	0.00012				
9/8/2010						<0.0002			
9/9/2010			9.3E-05				<0.0002	0.00017	<0.0002
4/28/2011			<0.0002			<0.0002			
4/29/2011	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002		
4/30/2011								<0.0002	<0.0002
10/28/2011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		
10/29/2011						<0.0002		<0.0002	7E-05 (J)
5/2/2012	<0.0002	<0.0002							
5/3/2012			<0.0002	<0.0002	<0.0002	<0.0002			
5/4/2012							<0.0002	<0.0002	<0.0002
11/9/2012	<0.0002	<0.0002	<0.0002		<0.0002				
11/10/2012				<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
5/8/2013	<0.0002								
5/9/2013		<0.0002	<0.0002	<0.0002			0.00016	0.00014	<0.0002
5/10/2013					0.00014	0.00012			
11/5/2013			0.00011						
11/6/2013	<0.0002	<0.0002		<0.0002	0.00014	<0.0002	<0.0002		
11/7/2013								0.00011	0.00016
5/21/2014								<0.0002	<0.0002
5/22/2014		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
5/23/2014	<0.0002								
11/8/2014	<0.0002	<0.0002							
11/9/2014				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
11/12/2014									<0.0002
11/13/2014			<0.0002						
5/22/2015	<0.0002				<0.0002	<0.0002			
5/23/2015		<0.0002							
5/24/2015			<0.0002	<0.0002			<0.0002	<0.0002	<0.0002
11/10/2015	<0.0002	<0.0002		<0.0002	<0.0002				
11/11/2015			<0.0002			<0.0002	<0.0002	<0.0002	<0.0002
4/11/2016	<0.0002	<0.0002							
4/12/2016			<0.0002	<0.0002	<0.0002 (D)	<0.0002		<0.0002	
4/13/2016									<0.0002 (D)
4/19/2016							<0.0002		
6/16/2016	<0.0002	<0.0002	<0.0002	<0.0002					
6/20/2016					<0.0002	<0.0002		<0.0002	<0.0002
6/22/2016							<0.0002		
8/11/2016	<0.0002	<0.0002	<0.0002	<0.0002					
8/12/2016					<0.0002	<0.0002		<0.0002	
8/15/2016									<0.0002
8/16/2016							<0.0002		
10/4/2016			<0.0002						

# Time Series

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.0002	<0.0002		<0.0002	<0.0002				
10/6/2016						<0.0002	<0.0002	<0.0002	<0.0002
11/29/2016	<0.0002	<0.0002							
11/30/2016			<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
12/1/2016							<0.0002		<0.0002
2/7/2017			<0.0002						
2/8/2017	8.9E-05	7.6E-05 (J)		7.5E-05 (J)	<0.0002	<0.0002			
2/9/2017							<0.0002	<0.0002	<0.0002
4/5/2017		<0.0002							
4/6/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
4/7/2017									<0.0002
6/20/2017			<0.0002						
6/21/2017	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002	<0.0002	
6/22/2017						<0.0002			<0.0002
10/4/2017			<0.0002						
10/5/2017	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002		
10/6/2017						<0.0002		<0.0002	<0.0002
3/20/2018	<0.0002	<0.0002 (X)	<0.0002 (X)						
3/21/2018				<0.0002	<0.0002	<0.0002 (X)		<0.0002 (X)	
3/22/2018							<0.0002 (X)		<0.0002 (X)
10/2/2018	<0.0002 (X)	<0.0002 (X)	<0.0002						
10/3/2018				<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	
10/4/2018									<0.0002 (X)
3/26/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
3/27/2019							<0.0002		<0.0002
9/10/2019			<0.0002		<0.0002	<0.0002			
9/11/2019	<0.0002						<0.0002	<0.0002	<0.0002
9/12/2019		<0.0002		<0.0002					
3/18/2020	<0.0002		<0.0002		<0.0002		<0.0002	<0.0002	
3/19/2020		<0.0002		<0.0002		<0.0002			0.00011 (J)
9/9/2020	<0.0002	<0.0002	<0.0002				<0.0002		
9/10/2020				<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
4/1/2021	<0.0002		<0.0002				<0.0002		<0.0002
4/2/2021						<0.0002			
4/6/2021					<0.0002				
6/1/2021		<0.0002		<0.0002					
6/2/2021								<0.0002	
8/11/2021	<0.0002	<0.0002		<0.0002				<0.0002	<0.0002
8/12/2021			<0.0002		<0.0002	<0.0002	<0.0002		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.0002	<0.0002
6/16/2010		<0.0002
6/19/2010	<0.0002	
7/27/2010		<0.0002
7/28/2010	<0.0002	
9/8/2010	0.00011 (J)	<0.0002
4/29/2011		<0.0002
4/30/2011	<0.0002	
10/27/2011	<0.0002	<0.0002
5/3/2012		<0.0002
5/4/2012	<0.0002	
11/11/2012	<0.0002	<0.0002
5/9/2013		<0.0002
5/10/2013	0.00014	
11/6/2013		8.8E-05
11/7/2013	0.00019	
5/21/2014	<0.0002	<0.0002
11/12/2014		<0.0002
11/13/2014	<0.0002	
5/23/2015	<0.0002	<0.0002
11/11/2015	<0.0002	
11/12/2015		<0.0002
4/13/2016		<0.0002 (D)
4/19/2016	<0.0002	
6/22/2016		<0.0002
8/15/2016		<0.0002
10/6/2016		<0.0002
10/10/2016	0.000155 (D)	
12/1/2016	<0.0002	<0.0002
2/8/2017		<0.0002
2/9/2017	<0.0002	
4/6/2017		<0.0002
4/7/2017	<0.0002	
6/21/2017	<0.0002	<0.0002
8/15/2017	<0.0002	
9/1/2017	<0.0002	
10/5/2017		<0.0002
10/9/2017	8.9E-05 (J)	
3/21/2018		<0.0002
3/22/2018	<0.0002 (X)	
10/2/2018		<0.0002 (X)
10/4/2018	<0.0002	
3/27/2019	<0.0002	<0.0002
9/11/2019	<0.0002	<0.0002
3/18/2020	<0.0002	<0.0002
9/9/2020	<0.0002	<0.0002
4/1/2021		<0.0002
6/1/2021	<0.0002	
8/12/2021	<0.0002	<0.0002

# Time Series

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.001						
5/9/2010	<0.001	<0.001					<0.001	<0.001	<0.001
5/10/2010					<0.001	<0.001			
5/11/2010				<0.001					
6/16/2010		<0.001	<0.001		<0.001	<0.001			
6/17/2010				<0.001					
6/18/2010	<0.001						<0.001	<0.001	<0.001
7/26/2010			<0.001						
7/27/2010		<0.001		<0.001		<0.001	<0.001		
7/28/2010	<0.001				<0.001				<0.001
7/29/2010								<0.001	
9/7/2010		<0.001	<0.001						
9/8/2010					<0.001	<0.001	<0.001		
9/9/2010	<0.001			<0.001				<0.001	<0.001
4/26/2011								<0.001	
4/28/2011				0.0086 (O)					
4/29/2011		<0.001	<0.001		<0.001	<0.001	<0.001		
4/30/2011	<0.001								<0.001
10/27/2011					<0.001	<0.001			
10/28/2011	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
10/29/2011				<0.001					
5/2/2012	<0.001	<0.001	<0.001						
5/3/2012				<0.001			<0.001		<0.001
5/4/2012					<0.001	<0.001		<0.001	
11/9/2012	<0.001	<0.001	<0.001	<0.001					
11/10/2012						<0.001	<0.001		<0.001
11/11/2012					<0.001			<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001					<0.001	<0.001
5/9/2013				<0.001	<0.001	<0.001	<0.001		
11/5/2013	<0.001			<0.001	<0.001				<0.001
11/6/2013		<0.001	<0.001			<0.001	<0.001		
11/7/2013								<0.001	
5/20/2014	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
5/21/2014					<0.001				
5/23/2014				<0.001					
11/8/2014		<0.001	<0.001						
11/12/2014	<0.001				<0.001	<0.001	<0.001	<0.001	<0.001
11/13/2014				<0.001					
5/22/2015	<0.001	<0.001	<0.001						
5/23/2015				<0.001	<0.001		<0.001		
5/24/2015						<0.001		<0.001	<0.001
11/9/2015		<0.001	<0.001						
11/11/2015	<0.001			<0.001					<0.001
11/12/2015					<0.001	<0.001	<0.001	<0.001	
4/6/2016	0.00202 (J)	<0.001	<0.001						
4/12/2016				<0.001					
4/13/2016					0.00271	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)
10/4/2016	<0.001	<0.001		<0.001					<0.001
10/5/2016			<0.001		<0.001	<0.001	<0.001		
10/7/2016								<0.001	
4/4/2017	<0.001	<0.001	<0.001						
4/5/2017				<0.001			<0.001		

# Time Series

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017					<0.001	<0.001		<0.001	<0.001
10/4/2017	<0.001			<0.001					
10/5/2017		<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
10/6/2017								<0.001	
3/20/2018	<0.001 (D)	0.04 (O)	<0.001	<0.001					<0.001
3/21/2018					<0.001	<0.001	<0.001 (D)		
3/22/2018								<0.001	
10/2/2018	<0.001	<0.001	<0.001	<0.001	0.0018 (J)	<0.001	<0.001		<0.001
10/3/2018								<0.001	
3/26/2019	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
3/27/2019					<0.001	<0.001			
9/10/2019	0.00081 (J)	0.00037 (J)	0.0012	0.00065 (J)					
9/11/2019					0.0016	0.00066 (J)	0.00084 (J)	0.00039 (J)	<0.001
3/18/2020	0.00043 (J)	<0.001	<0.001	0.00056 (J)	0.0016	0.0005 (J)	0.0006 (J)	0.00061 (J)	<0.001
9/9/2020	0.00069 (J)	<0.001	0.00048 (J)	0.00047 (J)	0.0021				<0.001
9/10/2020						0.0012	0.00088 (J)	0.00044 (J)	
4/1/2021	0.00049 (J)	<0.001	0.0004 (J)	0.00073 (J)	0.0012	0.00065 (J)	0.00065 (J)		<0.001
4/6/2021								0.00053 (J)	
8/11/2021	0.00051 (J)	<0.001	<0.001			0.0006 (J)	0.0008 (J)	<0.001	<0.001
8/18/2021				0.0017					
10/18/2021					0.002				

# Time Series

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.001								<0.001
5/11/2010		<0.001	0.0033 (O)	<0.001	<0.001	<0.001	<0.001	0.0034	
6/16/2010	<0.001	<0.001							
6/17/2010				<0.001	<0.001	<0.001			
6/18/2010							<0.001	0.0046	<0.001
6/19/2010			<0.001						
7/26/2010	<0.001								
7/27/2010		<0.001	<0.001	<0.001			<0.001	<0.001	
7/28/2010					0.019 (O)	<0.001			<0.001
9/7/2010	<0.001	<0.001		<0.001	0.0093 (O)				
9/8/2010						<0.001			
9/9/2010			<0.001				<0.001	<0.001	<0.001
4/28/2011			<0.001			<0.001			
4/29/2011	<0.001	<0.001		<0.001	<0.001		<0.001		
4/30/2011								<0.001	<0.001
10/28/2011	<0.001	<0.001	<0.001	0.003 (J)	<0.001		<0.001		
10/29/2011						<0.001		<0.001	<0.001
5/2/2012	<0.001	<0.001							
5/3/2012			<0.001	<0.001	<0.001	<0.001			
5/4/2012							<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001	<0.001		0.0035 (J)				
11/10/2012				<0.001		<0.001	<0.001	0.0053	<0.001
5/8/2013	<0.001								
5/9/2013		<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
5/10/2013					0.0081 (O)	<0.001			
11/5/2013			<0.001						
11/6/2013	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
11/7/2013								<0.001	<0.001
5/21/2014								<0.001	<0.001
5/22/2014		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
5/23/2014	<0.001								
11/8/2014	<0.001	<0.001							
11/9/2014				<0.001	<0.001	<0.001	<0.001	<0.001	
11/12/2014									<0.001
11/13/2014			<0.001						
5/22/2015	0.0045 (O)				<0.001	<0.001			
5/23/2015		0.01 (O)							
5/24/2015			<0.001	0.0063 (O)			0.006 (O)	0.0047	0.0044
11/10/2015	<0.001	<0.001		<0.001	<0.001				
11/11/2015			<0.001			<0.001	<0.001	<0.001	<0.001
4/11/2016	<0.001	<0.001							
4/12/2016			0.00206 (J)	<0.001	<0.001 (D)	<0.001		<0.001	
4/13/2016									<0.001 (D)
4/19/2016							0.00268 (J)		
10/4/2016			0.0023 (J)						
10/5/2016	<0.001	<0.001		<0.001	<0.001				
10/6/2016						0.0021 (J)	<0.001	<0.001	<0.001
4/5/2017		<0.001							
4/6/2017	<0.001		<0.001	0.002 (J)	<0.001	<0.001	0.0018 (J)	<0.001	
4/7/2017									<0.001
10/4/2017			0.0021 (J)						
10/5/2017	<0.001	<0.001		<0.001	<0.001		<0.001		

# Time Series

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/6/2017						<0.001		<0.001	<0.001
3/20/2018	<0.001	<0.001	<0.001						
3/21/2018				<0.001	0.0022 (J)	<0.001		<0.001	
3/22/2018							0.0019 (J)		<0.001
10/2/2018	<0.001	<0.001	<0.001						
10/3/2018				<0.001	0.0018 (J)	<0.001	<0.001	<0.001	
10/4/2018									<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.0036		<0.001	
3/27/2019							<0.001		<0.001
9/10/2019			0.0022		0.0016	0.00079 (J)			
9/11/2019	0.00048 (J)						0.0007 (J)	0.00099 (J)	0.00046 (J)
9/12/2019		0.0015		0.00097 (J)					
3/18/2020	0.00034 (J)		0.0016		0.00091 (J)		0.00068 (J)	0.00062 (J)	
3/19/2020		0.00047 (J)		0.00098 (J)		0.00073 (J)			<0.001
9/9/2020	0.00064 (J)	0.00039 (J)	0.0016				0.00039 (J)		
9/10/2020				0.00098 (J)	0.0014	0.0013		0.0009 (J)	0.0007 (J)
4/1/2021	<0.001		0.0022				0.00042 (J)		0.00036 (J)
4/2/2021						0.0012			
4/5/2021		0.00047 (J)		0.00048 (J)				0.00088 (J)	
4/6/2021					0.0018				
8/11/2021	<0.001	<0.001		0.00056 (J)				0.00074 (J)	<0.001
8/12/2021			0.0028		0.0029	0.00076 (J)	0.00061 (J)		

# Time Series

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.001	<0.001
6/16/2010		<0.001
6/19/2010	<0.001	
7/27/2010		<0.001
7/28/2010	<0.001	
9/8/2010	<0.001	<0.001
4/29/2011		<0.001
4/30/2011	0.008 (O)	
10/27/2011	0.0044 (J)	<0.001
5/3/2012		<0.001
5/4/2012	0.0032 (J)	
11/11/2012	0.0069	<0.001
5/9/2013		<0.001
5/10/2013	0.0093 (O)	
11/6/2013		<0.001
11/7/2013	0.0033 (J)	
5/21/2014	<0.001	<0.001
11/12/2014		<0.001
11/13/2014	0.0049 (J)	
5/23/2015	0.003 (J)	<0.001
11/11/2015	<0.001	
11/12/2015		<0.001
4/13/2016		<0.001 (D)
4/19/2016	0.00247 (J)	
10/6/2016		<0.001
10/10/2016	<0.001	
4/6/2017		<0.001
4/7/2017	0.0022 (J)	
10/5/2017		<0.001
10/9/2017	<0.001	
3/21/2018		<0.001
3/22/2018	<0.001	
10/2/2018		<0.001
10/4/2018	<0.001	
3/27/2019	<0.001	<0.001
9/11/2019	0.0013	0.00063 (J)
3/18/2020	0.0044	<0.001
9/9/2020	0.0036	0.00046 (J)
4/1/2021		0.00058 (J)
4/5/2021	0.0058	
8/12/2021	0.0035	0.00045 (J)





# Time Series

Constituent: pH (S.U.) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/11/2021	5.5	6.35	6.14			6.21	5.2	5.92	5.61
10/18/2021				6.36	6.25				

# Time Series

Constituent: pH (S.U.) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/21/2014								6.09	6.25
5/22/2014		6.37	6.74	6.33	5.82	6.17	5.89		
5/23/2014	6.19								
11/8/2014	6.42	6.51							
11/9/2014				6.66	6.1	6.45	6.14	6.36	
11/13/2014			6.94						
5/22/2015	6.26	6.35		6.49	5.92	6.26			
5/24/2015			7				5.7	6.17	6.32
11/10/2015	6.29	6.41		6.53					
11/11/2015			6.55			6.3	5.78	6.19	6.35
11/16/2015					6.02				
4/11/2016	6.3 (D)	6.36 (D)							
4/12/2016			6.52 (D)	6.53 (D)	5.97 (D)	6.44 (D)		6.22	
4/13/2016									6.42
4/19/2016							5.55		
6/16/2016	6.34	6.35	6.38	6.51					
6/20/2016					5.93	6.33		6.2	6.4
6/22/2016							5.6		
8/11/2016	6.28	6.37	6.38	6.49					
8/12/2016					5.86			6.17	
8/15/2016									6.31
8/16/2016					5.86	6.3	5.7		
10/4/2016			6.39						
10/5/2016	6.27	5.78 (O)		6.46	5.1 (O)				
10/6/2016						6.21	5.64	6.14	6.27
11/29/2016	6.39	6.44							
11/30/2016			6.38	6.5	5.88	6.26		6.14	
12/1/2016							5.62		6.28
2/7/2017			6.43						
2/8/2017	6.35	6.4		6.59	5.89	6.35			
2/9/2017							5.64	6.18	6.32
4/5/2017		6.35							
4/6/2017	6.26		6.23 (O)	6.47	5.84	6.29	5.66	6.17	
4/7/2017									6.28
6/20/2017			6.36						
6/21/2017	6.24	6.36		6.53	5.91		5.68	6.17	
6/22/2017						6.31			6.29
10/4/2017			6.35						
10/5/2017	6.31	6.41		6.51	5.93		5.64		
10/6/2017						5.9		6.19	5.96
3/20/2018	6.34	6.37	6.52						
3/21/2018				6.5	5.96	6.23		6.21	
3/22/2018							5.9		6.34
10/2/2018	6.38	6.41	6.51						
10/3/2018				6.48	5.97	6.25	5.74	6.22	
10/4/2018									6.36
3/26/2019	6.38	6.35	6.44	6.52	6.02	6.34		6.25	
3/27/2019							5.78		6.38
3/18/2020	6.32		6.41		5.9		5.81	6.19	
3/19/2020		6.27		6.47		6.32			6.41
9/9/2020	6.3	6.27	6.44				6.08		
9/10/2020				6.49	6.24	6.46		6.43	6.32

# Time Series

Constituent: pH (S.U.) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
4/1/2021	6.37		7.32				6.01		6.4
4/2/2021						6.35			
4/5/2021		6.37		6.64				6.36	
4/6/2021					6.01				
6/1/2021		6.18		6.39					
6/2/2021								6.09	
8/11/2021	6.43	6.35		6.58				6.14	6.26
8/12/2021			6.41		6.12	6.3	5.87		

# Time Series

Constituent: pH (S.U.) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
5/21/2014	7.11	6.31
11/12/2014		6.81
11/13/2014	6.55	
5/23/2015	6.36	6.42
11/11/2015	6.36	
11/12/2015		6.7
4/13/2016		6.59
4/19/2016	6.4	
6/22/2016		6.49
6/23/2016	6.35	
8/15/2016		6.61
8/23/2016	6.29	
10/6/2016		6.55
10/10/2016	6.3	
12/1/2016	6.37	6.59
2/8/2017		6.63
2/9/2017	6.39	
2/27/2017	6.24	
4/6/2017		6.58
4/7/2017	6.93	
6/21/2017	7.11 (D)	6.56
8/15/2017	6.95	
9/1/2017	6.86	
10/5/2017		6.58
10/9/2017	6.75	
3/21/2018		6.76
3/22/2018	7.05	
10/2/2018		6.65
10/4/2018	7.26	
3/27/2019	6.69	6.7
3/18/2020	6.42	6.61
9/9/2020	6.3	6.8
4/1/2021		6.28
4/5/2021	6.35	
6/1/2021	6.28	
8/12/2021	6.37	6.66

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.005						
5/9/2010	<0.005	<0.005					<0.005	<0.005	<0.005
5/10/2010					<0.005	<0.005			
5/11/2010				<0.005					
6/16/2010		<0.005	<0.005		<0.005	<0.005			
6/17/2010				<0.005					
6/18/2010	<0.005						<0.005	<0.005	<0.005
7/26/2010			<0.005						
7/27/2010		<0.005		<0.005		<0.005	<0.005		
7/28/2010	<0.005				<0.005				<0.005
7/29/2010								<0.005	
9/7/2010		<0.005	<0.005						
9/8/2010					<0.005	<0.005	<0.005		
9/9/2010	<0.005			<0.005				<0.005	<0.005
4/26/2011								<0.005	
4/28/2011				<0.005					
4/29/2011		<0.005	<0.005		<0.005	<0.005	<0.005		
4/30/2011	<0.005								<0.005
10/27/2011					<0.005	<0.005			
10/28/2011	<0.005	<0.005	<0.005				0.004	<0.005	<0.005
10/29/2011				<0.005					
5/2/2012	<0.005	<0.005	<0.005						
5/3/2012				<0.005			<0.005		<0.005
5/4/2012					<0.005	<0.005		<0.005	
11/9/2012	<0.005	<0.005	<0.005	<0.005					
11/10/2012						<0.005	<0.005		<0.005
11/11/2012					<0.005			<0.005	<0.005
5/8/2013	<0.005	<0.005	0.0044					<0.005	<0.005
5/9/2013				<0.005	<0.005	<0.005	<0.005		
11/5/2013	<0.005			<0.005	<0.005				<0.005
11/6/2013		<0.005	<0.005			<0.005	<0.005		
11/7/2013								<0.005	
5/20/2014	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
5/21/2014					<0.005				
5/23/2014				<0.005					
11/8/2014		<0.005	<0.005						
11/12/2014	<0.005				<0.005	<0.005	<0.005	<0.005	<0.005
11/13/2014				<0.005					
5/22/2015	<0.005	<0.005	<0.005						
5/23/2015				0.0053	0.0043		<0.005		
5/24/2015						0.005		<0.005	<0.005
11/9/2015		0.0043	<0.005						
11/11/2015	<0.005			<0.005					0.0052
11/12/2015					0.0046	0.0042	<0.005	<0.005	
4/6/2016	<0.005	<0.005	<0.005						
4/12/2016				<0.005					
4/13/2016					<0.005 (D)	<0.005 (D)	<0.005 (D)	<0.005 (D)	<0.005 (D)
6/15/2016	<0.005	<0.005	<0.005						
6/16/2016				<0.005					
6/21/2016					<0.005	<0.005	<0.005	<0.005	<0.005
8/10/2016	<0.005	<0.005	<0.005						
8/11/2016				<0.005					

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.005	<0.005	<0.005	<0.005	<0.005
10/4/2016	<0.005	<0.005		0.00037 (J)					<0.005
10/5/2016			<0.005		<0.005	<0.005	<0.005		
10/7/2016								<0.005	
11/29/2016		0.00024 (J)	<0.005						
11/30/2016	<0.005			<0.005					
12/1/2016					<0.005	<0.005	<0.005	<0.005	0.00025 (J)
2/7/2017	<0.005	<0.005	<0.005	<0.005					<0.005
2/8/2017					<0.005	<0.005	<0.005		
2/9/2017								<0.005	
4/4/2017	0.00067 (J)	0.0017	<0.005						
4/5/2017				<0.005			<0.005		
4/6/2017					<0.005	0.00031 (J)		<0.005	<0.005
6/20/2017	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005
6/21/2017					<0.005				
6/22/2017								<0.005	
10/4/2017	<0.005			<0.005					
10/5/2017		<0.005	0.00027 (J)		<0.005	<0.005	<0.005		<0.005
10/6/2017								<0.005	
3/20/2018	<0.005 (D)	<0.005	<0.005	<0.005 (X)					<0.005
3/21/2018					<0.005	<0.005	<0.005 (D)		
3/22/2018								<0.005	
10/2/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
10/3/2018								<0.005	
3/26/2019	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
3/27/2019					<0.005	<0.005			
9/10/2019	<0.005	<0.005	<0.005	<0.005					
9/11/2019					<0.005		<0.005	<0.005	<0.005
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005				<0.005
9/10/2020						<0.005	<0.005	<0.005	
4/1/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
4/6/2021								<0.005	
8/11/2021	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
8/17/2021					<0.005				
8/18/2021				<0.005					

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.005								<0.005
5/11/2010		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
6/16/2010	<0.005	<0.005							
6/17/2010				<0.005	<0.005	<0.005			
6/18/2010							<0.005	<0.005	<0.005
6/19/2010			<0.005						
7/26/2010	<0.005								
7/27/2010		<0.005	<0.005	<0.005			<0.005	<0.005	
7/28/2010					<0.005	<0.005			<0.005
9/7/2010	<0.005	<0.005		<0.005	<0.005				
9/8/2010						<0.005			
9/9/2010			<0.005				<0.005	<0.005	<0.005
4/28/2011			<0.005			<0.005			
4/29/2011	<0.005	<0.005		<0.005	<0.005		<0.005		
4/30/2011								<0.005	<0.005
10/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
10/29/2011						<0.005		<0.005	<0.005
5/2/2012	<0.005	<0.005							
5/3/2012			<0.005	<0.005	<0.005	<0.005			
5/4/2012							<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005	<0.005		<0.005				
11/10/2012				<0.005		<0.005	<0.005	<0.005	<0.005
5/8/2013	<0.005								
5/9/2013		<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
5/10/2013					<0.005	<0.005			
11/5/2013			<0.005						
11/6/2013	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
11/7/2013								<0.005	<0.005
5/21/2014								<0.005	<0.005
5/22/2014		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
5/23/2014	<0.005								
11/8/2014	<0.005	<0.005							
11/9/2014				<0.005	<0.005	<0.005	<0.005	<0.005	
11/12/2014									<0.005
11/13/2014			<0.005						
5/22/2015	<0.005				<0.005	<0.005			
5/23/2015		<0.005							
5/24/2015			0.0044	<0.005			0.013 (J)	<0.005	0.0053
11/10/2015	0.0041	0.0044		<0.005	<0.005				
11/11/2015			0.0045			<0.005	0.037	0.007	0.0049
4/11/2016	<0.005	<0.005							
4/12/2016			<0.005	<0.005	<0.005 (D)	<0.005		<0.005	
4/13/2016									<0.005 (D)
4/19/2016							0.0587		
6/16/2016	<0.005	<0.005	<0.005	<0.005					
6/20/2016					<0.005	<0.005		0.00032 (J)	<0.005
6/22/2016							0.0435		
8/11/2016	<0.005	<0.005	<0.005	<0.005					
8/12/2016					0.00036 (J)	<0.005		0.00035 (J)	
8/15/2016									<0.005
8/16/2016							0.029		
10/4/2016			<0.005						



# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.005	<0.005		<0.005	<0.005				
10/6/2016						<0.005	0.027	0.00029 (J)	<0.005
11/29/2016	<0.005	<0.005							
11/30/2016			<0.005	<0.005	<0.005	<0.005		0.00026 (J)	
12/1/2016							0.029		<0.005
2/7/2017			<0.005						
2/8/2017	<0.005	<0.005		<0.005	<0.005	<0.005			
2/9/2017							0.031	<0.005	<0.005
4/5/2017		<0.005							
4/6/2017	<0.005		0.0023	<0.005	<0.005	<0.005	0.043	<0.005	
4/7/2017									<0.005
6/20/2017			<0.005						
6/21/2017	<0.005	<0.005		<0.005	<0.005		0.052	0.00031 (J)	
6/22/2017						<0.005			<0.005
10/4/2017			<0.005						
10/5/2017	<0.005	<0.005		<0.005	<0.005		0.038		
10/6/2017						<0.005		<0.005	<0.005
3/20/2018	<0.005	<0.005	<0.005 (X)						
3/21/2018				<0.005	<0.005	<0.005 (X)		<0.005 (X)	
3/22/2018							0.038		<0.005
10/2/2018	<0.005	<0.005	<0.005						
10/3/2018				<0.005	<0.005	<0.005	0.021	0.00056 (J)	
10/4/2018									<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
3/27/2019							0.023		<0.005
9/10/2019			<0.005		<0.005	<0.005			
9/11/2019	<0.005						0.0079	<0.005	<0.005
9/12/2019		<0.005		<0.005					
3/18/2020	<0.005		<0.005		<0.005		0.014	<0.005	
3/19/2020		<0.005		<0.005		<0.005			<0.005
9/9/2020	<0.005	<0.005	<0.005				0.0054		
9/10/2020				<0.005	<0.005	<0.005		<0.005	<0.005
4/1/2021	<0.005		<0.005				0.0065		<0.005
4/2/2021						<0.005			
4/5/2021		<0.005		<0.005				<0.005	
4/6/2021					<0.005				
8/11/2021	<0.005	<0.005		<0.005				<0.005	<0.005
8/12/2021			<0.005		<0.005	<0.005	0.0088		

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.005	<0.005
6/16/2010		<0.005
6/19/2010	<0.005	
7/27/2010		<0.005
7/28/2010	<0.005	
9/8/2010	<0.005	<0.005
4/29/2011		<0.005
4/30/2011	<0.005	
10/27/2011	<0.005	<0.005
5/3/2012		<0.005
5/4/2012	<0.005	
11/11/2012	<0.005	<0.005
5/9/2013		<0.005
5/10/2013	<0.005	
11/6/2013		<0.005
11/7/2013	<0.005	
5/21/2014	<0.005	<0.005
11/12/2014		<0.005
11/13/2014	<0.005	
5/23/2015	0.0045	<0.005
11/11/2015	0.0043	
11/12/2015		0.0065
4/13/2016		<0.005 (D)
4/19/2016	<0.005	
6/22/2016		<0.005
8/15/2016		<0.005
10/6/2016		<0.005
10/10/2016	<0.005	
12/1/2016	<0.005	<0.005
2/8/2017		<0.005
2/9/2017	<0.005	
4/6/2017		<0.005
4/7/2017	<0.005	
6/21/2017	<0.005	<0.005
8/15/2017	<0.005	
9/1/2017	0.00044 (J)	
10/5/2017		<0.005
10/9/2017	<0.005	
3/21/2018		<0.005 (X)
3/22/2018	0.00032 (J)	
10/2/2018		<0.005
10/4/2018	<0.005	
3/27/2019	<0.005	<0.005
9/11/2019	<0.005	<0.005
3/18/2020	<0.005	<0.005
9/9/2020	<0.005	<0.005
4/1/2021		<0.005
4/5/2021	<0.005	
8/12/2021	<0.005	<0.005

# Time Series

Constituent: Silver (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.001						
5/9/2010	<0.001	<0.001					<0.001	<0.001	<0.001
5/10/2010					<0.001	<0.001			
5/11/2010				<0.001					
6/16/2010		<0.001	<0.001		<0.001	<0.001			
6/17/2010				<0.001					
6/18/2010	<0.001						<0.001	<0.001	<0.001
7/26/2010			<0.001						
7/27/2010		<0.001		<0.001		<0.001	<0.001		
7/28/2010	<0.001				<0.001				<0.001
7/29/2010								<0.001	
9/7/2010		<0.001	<0.001						
9/8/2010					<0.001	<0.001	<0.001		
9/9/2010	<0.001			<0.001				<0.001	<0.001
4/26/2011								<0.001	
4/28/2011				<0.001					
4/29/2011		<0.001	<0.001		<0.001	<0.001	<0.001		
4/30/2011	<0.001								<0.001
10/27/2011					<0.001	<0.001			
10/28/2011	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
10/29/2011				<0.001					
5/2/2012	<0.001	<0.001	<0.001						
5/3/2012				<0.001			<0.001		<0.001
5/4/2012					<0.001	<0.001		<0.001	
11/9/2012	<0.001	<0.001	<0.001	<0.001					
11/10/2012						<0.001	<0.001		<0.001
11/11/2012					<0.001			<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001					<0.001	<0.001
5/9/2013				<0.001	<0.001	<0.001	<0.001		
11/5/2013	<0.001			<0.001	<0.001				<0.001
11/6/2013		<0.001	<0.001			<0.001	<0.001		
11/7/2013								<0.001	
5/20/2014	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
5/21/2014					<0.001				
5/23/2014				<0.001					
11/8/2014		<0.001	<0.001						
11/12/2014	<0.001				<0.001	<0.001	<0.001	<0.001	<0.001
11/13/2014				<0.001					
5/22/2015	<0.001	<0.001	<0.001						
5/23/2015				<0.001	<0.001		<0.001		
5/24/2015						<0.001		<0.001	<0.001
11/9/2015		<0.001	<0.001						
11/11/2015	<0.001			<0.001					<0.001
11/12/2015					<0.001	<0.001	<0.001	<0.001	
4/6/2016	<0.001	<0.001	<0.001						
4/12/2016				<0.001					
4/13/2016					<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)
10/4/2016	<0.001	<0.001		0.00012 (J)					<0.001
10/5/2016			<0.001		<0.001	<0.001	<0.001		
10/7/2016								<0.001	
4/4/2017	<0.001	<0.001	<0.001						
4/5/2017				<0.001			<0.001		

# Time Series

Constituent: Silver (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017					<0.001	<0.001		<0.001	<0.001
10/4/2017	<0.001			<0.001					
10/5/2017		<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
10/6/2017								0.00031	
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001					<0.001
3/21/2018					<0.001	<0.001	<0.001 (D)		
3/22/2018								<0.001	
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
10/3/2018								<0.001	
3/26/2019	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
3/27/2019					<0.001	<0.001			
9/10/2019	<0.001	<0.001	<0.001	<0.001					
9/11/2019					<0.001	<0.001 (D)	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001
9/10/2020						<0.001	<0.001	<0.001	
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
4/6/2021								<0.001	
8/11/2021	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
8/17/2021					<0.001				
8/18/2021				<0.001					

# Time Series

Constituent: Silver (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.001								<0.001
5/11/2010		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
6/16/2010	<0.001	<0.001							
6/17/2010				<0.001	<0.001	<0.001			
6/18/2010							<0.001	<0.001	<0.001
6/19/2010			<0.001						
7/26/2010	<0.001								
7/27/2010		<0.001	<0.001	<0.001			<0.001	<0.001	
7/28/2010					<0.001	<0.001			<0.001
9/7/2010	<0.001	<0.001		<0.001	<0.001				
9/8/2010						<0.001			
9/9/2010			<0.001				<0.001	<0.001	<0.001
4/28/2011			<0.001			<0.001			
4/29/2011	<0.001	<0.001		<0.001	<0.001		<0.001		
4/30/2011								<0.001	<0.001
10/28/2011	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
10/29/2011						<0.001		<0.001	<0.001
5/2/2012	<0.001	<0.001							
5/3/2012			<0.001	<0.001	<0.001	<0.001			
5/4/2012							<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001	<0.001		<0.001				
11/10/2012				<0.001		<0.001	<0.001	<0.001	<0.001
5/8/2013	<0.001								
5/9/2013		<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
5/10/2013					<0.001	<0.001			
11/5/2013			<0.001						
11/6/2013	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
11/7/2013								<0.001	<0.001
5/21/2014								<0.001	<0.001
5/22/2014		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
5/23/2014	<0.001								
11/8/2014	<0.001	<0.001							
11/9/2014				<0.001	<0.001	<0.001	<0.001	<0.001	
11/12/2014									<0.001
11/13/2014			<0.001						
5/22/2015	<0.001				<0.001	<0.001			
5/23/2015		<0.001							
5/24/2015			<0.001	<0.001			<0.001	<0.001	<0.001
11/10/2015	<0.001	<0.001		<0.001	<0.001				
11/11/2015			<0.001			<0.001	<0.001	<0.001	<0.001
4/11/2016	<0.001	<0.001							
4/12/2016			<0.001	<0.001	<0.001 (D)	<0.001		<0.001	
4/13/2016									<0.001 (D)
4/19/2016							<0.001		
10/4/2016			<0.001						
10/5/2016	<0.001	<0.001		<0.001	<0.001				
10/6/2016						<0.001	<0.001	0.00012 (J)	<0.001
4/5/2017		<0.001							
4/6/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4/7/2017									<0.001
10/4/2017			<0.001						
10/5/2017	<0.001	<0.001		<0.001	<0.001		<0.001		

# Time Series

Constituent: Silver (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/6/2017						<0.001		<0.001	<0.001
3/20/2018	<0.001	<0.001	<0.001						
3/21/2018				<0.001	<0.001	<0.001		<0.001	
3/22/2018							<0.001		<0.001
10/2/2018	<0.001	<0.001	<0.001						
10/3/2018				<0.001	<0.001	<0.001	<0.001	<0.001	
10/4/2018									<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
3/27/2019							<0.001		<0.001
9/10/2019			<0.001		<0.001	<0.001			
9/11/2019	<0.001						<0.001	<0.001	<0.001
9/12/2019		<0.001		<0.001					
3/18/2020	<0.001		<0.001		<0.001		<0.001	<0.001	
3/19/2020		<0.001		<0.001		<0.001			<0.001
9/9/2020	<0.001	<0.001	<0.001				<0.001		
9/10/2020				<0.001	<0.001	<0.001		<0.001	<0.001
4/1/2021	<0.001		<0.001				<0.001		<0.001
4/2/2021						<0.001			
4/5/2021		<0.001		<0.001				<0.001	
4/6/2021					<0.001				
8/11/2021	<0.001	<0.001		<0.001				<0.001	<0.001
8/12/2021			<0.001		<0.001	<0.001	<0.001		

# Time Series

Constituent: Silver (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
5/10/2010	<0.001	<0.001
6/16/2010		<0.001
6/19/2010	<0.001	
7/27/2010		<0.001
7/28/2010	<0.001	
9/8/2010	<0.001	<0.001
4/29/2011		<0.001
4/30/2011	<0.001	
10/27/2011	<0.001	<0.001
5/3/2012		<0.001
5/4/2012	<0.001	
11/11/2012	<0.001	<0.001
5/9/2013		<0.001
5/10/2013	<0.001	
11/6/2013		<0.001
11/7/2013	<0.001	
5/21/2014	<0.001	<0.001
11/12/2014		<0.001
11/13/2014	<0.001	
5/23/2015	<0.001	<0.001
11/11/2015	<0.001	
11/12/2015		<0.001
4/13/2016		<0.001 (D)
4/19/2016	<0.001	
10/6/2016		<0.001
10/10/2016	<0.001	
4/6/2017		<0.001
4/7/2017	<0.001	
10/5/2017		<0.001
10/9/2017	<0.001	
3/21/2018		<0.001
3/22/2018	<0.001	
10/2/2018		<0.001
10/4/2018	<0.001	
3/27/2019	<0.001	<0.001
9/11/2019	<0.001	<0.001
3/18/2020	<0.001	<0.001
9/9/2020	<0.001	<0.001
4/1/2021		<0.001
4/5/2021	<0.001	
8/12/2021	<0.001	<0.001

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2016	0.799 (J)	<1	<1						
4/12/2016				0.617 (J)					
4/13/2016					0.51 (JD)	<1 (D)	<1 (D)	0.646 (JD)	<1 (D)
6/15/2016	<1	<1	<1						
6/16/2016				<1					
6/21/2016					0.58 (J)	0.16 (J)	0.2 (J)	0.57 (J)	0.16 (J)
8/10/2016	<1	<1	<1						
8/11/2016				<1					
8/15/2016					<1	<1	<1	<1	<1
10/4/2016	<1	<1		<1					<1
10/5/2016			<1		<1	<1	<1		
10/7/2016								<1	
11/29/2016		<1	<1						
11/30/2016	<1			<1					
12/1/2016					<1	<1	<1	<1	<1
2/7/2017	0.8 (J)	<1	<1	0.92 (J)					<1
2/8/2017					1	<1	<1		
2/9/2017								<1	
4/4/2017	<1	<1	<1						
4/5/2017				1			<1		
4/6/2017					0.81 (J)	<1		<1	<1
6/20/2017	<1	<1	<1	0.76 (J)		<1	<1		<1
6/21/2017					1.1				
6/22/2017								<1	
10/4/2017	<1			<1					
10/5/2017		<1	<1		1.1	<1	<1		<1
10/6/2017								<1	
3/20/2018	1.2	<1	<1	0.95 (J)					<1
3/21/2018					1.1	<1	<1 (D)		
3/22/2018								<1	
10/2/2018	<1	<1	<1	<1	1.2	<1	<1		<1
10/3/2018								<1	
3/26/2019	2.1	<1	0.58 (J)	0.53 (J)			0.49 (J)	1.3	0.64 (J)
3/27/2019					1.6	<1			
9/10/2019	0.65 (J)	<1	0.44 (J)	0.69 (J)					
9/11/2019					1.8	0.63 (J)	0.5 (J)	0.81 (J)	0.5 (J)
3/18/2020	3.1	0.67 (J)	0.51 (J)	0.84 (J)	2.4	<1	1.3	25 (o)	<1
9/9/2020	1.6	<1	<1	0.77 (J)	2.6				<1
9/10/2020						<1	<1	1.3	
4/1/2021	2.7	<1	<1	<1	2.7	<1	<1		<1
4/6/2021								0.9 (J)	
8/11/2021	1.3	<1	<1			<1	<1	0.89 (J)	<1
8/17/2021					1.2				
8/18/2021				0.79 (J)					



# Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
4/11/2016	<1	<1							
4/12/2016			0.56 (J)	<1	0.419 (JD)	3.56		7.55	
4/13/2016									<1 (D)
4/19/2016							575 (o)		
6/16/2016	<1	<1	<1	<1					
6/20/2016					0.6 (J)	2.4		14	0.36 (J)
6/22/2016							470		
8/11/2016	<1	<1	<1	<1					
8/15/2016									<1
8/16/2016					<1	1.7	360	12	
10/4/2016			<1						
10/5/2016	<1	<1		<1	<1				
10/6/2016						1.2	300	13	<1
11/29/2016	<1	<1							
11/30/2016			<1	<1	1.1	1.2		14	
12/1/2016							340		<1
2/7/2017			<1						
2/8/2017	<1	<1		<1	<1	4.6			
2/9/2017							350	9.5	<1
4/5/2017		<1							
4/6/2017	<1		<1	<1	<1	4.1	380	9.7	
4/7/2017									<1
6/20/2017			<1						
6/21/2017	<1	<1		<1	<1		490	13	
6/22/2017						3.4			<1
10/4/2017			<1						
10/5/2017	<1	<1		<1	<1		380		
10/6/2017						3		7.3	<1
3/20/2018	<1	<1	<1						
3/21/2018				<1	<1	4.9		9.5	
3/22/2018							400		<1
10/2/2018	<1	<1	<1						
10/3/2018				<1	<1	2.9	270	10	
10/4/2018									<1
3/26/2019	0.39 (J)	<1	0.99 (J)	0.45 (J)	0.47 (J)	3.2		6.3	
3/27/2019							260		0.51 (J)
9/10/2019			0.63 (J)		0.7 (J)	1.7			
9/11/2019	0.61 (J)						130	12	0.52 (J)
9/12/2019		<1		<1					
3/18/2020	0.62 (J)		0.59 (J)		0.6 (J)		170	5.6	
3/19/2020		0.64 (J)		0.71 (J)		4.6			0.54 (J)
9/9/2020	<1	1.2	0.59 (J)				110		
9/10/2020				<1	<1	1.6		9.4	<1
4/1/2021	<1		1.1				100		<1
4/2/2021						4.6			
4/6/2021					<1				
6/1/2021		1.9		1.4					
6/2/2021								13	
8/11/2021	<1	<1		<1				11	<1
8/12/2021			<1		<1	3.5	140		

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
4/13/2016		8.66 (D)
4/19/2016	32.7	
6/22/2016		6.3
8/15/2016		8
10/6/2016		10
10/10/2016	33	
12/1/2016	31	15
2/8/2017		13
2/9/2017	34	
4/6/2017		14
4/7/2017	37	
6/21/2017	35	11
8/15/2017	42	
9/1/2017	40	
10/5/2017		10
3/21/2018		12
3/22/2018	39	
10/2/2018		8.2
10/4/2018	30	
3/27/2019	18	6.8
9/11/2019	32	9.6
3/18/2020	16	6.9
9/9/2020	11	8.4
4/1/2021		9.7
6/1/2021	17	
8/12/2021	27	9.7

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.001						
5/9/2010	<0.001	<0.001					<0.001	<0.001	<0.001
5/10/2010					<0.001	<0.001			
5/11/2010				<0.001					
6/16/2010		<0.001	<0.001		<0.001	<0.001			
6/17/2010				<0.001					
6/18/2010	<0.001						<0.001	<0.001	<0.001
7/26/2010			<0.001						
7/27/2010		<0.001		<0.001		<0.001	<0.001		
7/28/2010	<0.001				<0.001				<0.001
7/29/2010								<0.001	
9/7/2010		<0.001	<0.001						
9/8/2010					<0.001	<0.001	<0.001		
9/9/2010	<0.001			<0.001				<0.001	<0.001
4/26/2011								<0.001	
4/28/2011				<0.001					
4/29/2011		<0.001	<0.001		<0.001	<0.001	<0.001		
4/30/2011	<0.001								<0.001
10/27/2011					<0.001	<0.001			
10/28/2011	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
10/29/2011				<0.001					
5/2/2012	<0.001	<0.001	<0.001						
5/3/2012				<0.001			<0.001		<0.001
5/4/2012					<0.001	<0.001		<0.001	
11/9/2012	<0.001	<0.001	<0.001	<0.001					
11/10/2012						<0.001	<0.001		<0.001
11/11/2012					<0.001			<0.001	<0.001
5/8/2013	<0.001	0.0003	<0.001					<0.001	<0.001
5/9/2013				<0.001	<0.001	<0.001	<0.001		
11/5/2013	<0.001			<0.001	<0.001				<0.001
11/6/2013		<0.001	<0.001			<0.001	<0.001		
11/7/2013								<0.001	
5/20/2014	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
5/21/2014					<0.001				
5/23/2014				<0.001					
11/8/2014		<0.001	<0.001						
11/12/2014	<0.001				<0.001	<0.001	<0.001	<0.001	<0.001
11/13/2014				<0.001					
5/22/2015	<0.001	<0.001	<0.001						
5/23/2015				<0.001	<0.001		<0.001		
5/24/2015						<0.001		<0.001	<0.001
11/9/2015		<0.001	<0.001						
11/11/2015	<0.001			<0.001					<0.001
11/12/2015					<0.001	<0.001	<0.001	<0.001	
4/6/2016	<0.001	<0.001	<0.001						
4/12/2016				<0.001					
4/13/2016					<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001						
6/16/2016				<0.001					
6/21/2016					<0.001	<0.001	<0.001	<0.001	<0.001
8/10/2016	<0.001	<0.001	<0.001						
8/11/2016				<0.001					

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
8/15/2016					<0.001	<0.001	<0.001	<0.001	<0.001
10/4/2016	<0.001	<0.001		<0.001					<0.001
10/5/2016			<0.001		<0.001	<0.001	<0.001		
10/7/2016								<0.001	
11/29/2016		<0.001	<0.001						
11/30/2016	<0.001			<0.001					
12/1/2016					<0.001	<0.001	<0.001	<0.001	<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001					<0.001
2/8/2017					<0.001	<0.001	<0.001		
2/9/2017								<0.001	
4/4/2017	<0.001	<0.001	<0.001						
4/5/2017				<0.001			<0.001		
4/6/2017					<0.001	<0.001		<0.001	<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001
6/21/2017					<0.001				
6/22/2017								<0.001	
10/4/2017	<0.001			<0.001					
10/5/2017		<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
10/6/2017								<0.001	
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001					<0.001
3/21/2018					<0.001	<0.001	<0.001 (D)		
3/22/2018								<0.001	
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
10/3/2018								<0.001	
3/26/2019	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
3/27/2019					<0.001	<0.001			
9/10/2019	<0.001	0.00021 (J)	0.00023 (J)	<0.001					
9/11/2019					<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001	<0.001	0.00049 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	0.00025 (J)	<0.001	<0.001	<0.001	<0.001				<0.001
9/10/2020						<0.001	<0.001	<0.001	
4/1/2021	<0.001	<0.001	<0.001	0.00027 (J)	<0.001	<0.001	<0.001		<0.001
4/6/2021								<0.001	
8/11/2021	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
8/17/2021					<0.001				
8/18/2021				<0.001					

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.001								<0.001
5/11/2010		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
6/16/2010	<0.001	<0.001							
6/17/2010				<0.001	<0.001	<0.001			
6/18/2010							<0.001	<0.001	<0.001
6/19/2010			<0.001						
7/26/2010	<0.001								
7/27/2010		<0.001	<0.001	<0.001			<0.001	<0.001	
7/28/2010					<0.001	<0.001			<0.001
9/7/2010	<0.001	<0.001		<0.001	<0.001				
9/8/2010						<0.001			
9/9/2010			<0.001				<0.001	<0.001	<0.001
4/28/2011			<0.001			<0.001			
4/29/2011	<0.001	<0.001		<0.001	<0.001		<0.001		
4/30/2011								<0.001	<0.001
10/28/2011	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
10/29/2011						<0.001		<0.001	0.00027
5/2/2012	<0.001	<0.001							
5/3/2012			<0.001	<0.001	<0.001	<0.001			
5/4/2012							<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001	<0.001		<0.001				
11/10/2012				<0.001		<0.001	<0.001	<0.001	<0.001
5/8/2013	<0.001								
5/9/2013		<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
5/10/2013					<0.001	<0.001			
11/5/2013			<0.001						
11/6/2013	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
11/7/2013								<0.001	0.00026
5/21/2014								<0.001	<0.001
5/22/2014		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
5/23/2014	<0.001								
11/8/2014	<0.001	<0.001							
11/9/2014				<0.001	<0.001	<0.001	<0.001	<0.001	
11/12/2014									<0.001
11/13/2014			<0.001						
5/22/2015	<0.001				<0.001	<0.001			
5/23/2015		<0.001							
5/24/2015			<0.001	<0.001			<0.001	<0.001	<0.001
11/10/2015	<0.001	<0.001		<0.001	<0.001				
11/11/2015			<0.001			<0.001	<0.001	<0.001	<0.001
4/11/2016	<0.001	<0.001							
4/12/2016			<0.001	<0.001	<0.001 (D)	<0.001		<0.001	
4/13/2016									<0.001 (D)
4/19/2016							<0.001		
6/16/2016	<0.001	<0.001	<0.001	<0.001					
6/20/2016					<0.001	<0.001		<0.001	<0.001
6/22/2016							<0.001		
8/11/2016	<0.001	<0.001	<0.001	<0.001					
8/12/2016					<0.001	<0.001		<0.001	
8/15/2016									<0.001
8/16/2016							<0.001		
10/4/2016			<0.001						

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/5/2016	<0.001	<0.001		<0.001	<0.001				
10/6/2016						<0.001	<0.001	<0.001	<0.001
11/29/2016	<0.001	<0.001							
11/30/2016			<0.001	<0.001	<0.001	<0.001		<0.001	
12/1/2016							<0.001		<0.001
2/7/2017			<0.001						
2/8/2017	<0.001	<0.001		<0.001	<0.001	<0.001			
2/9/2017							<0.001	<0.001	<0.001
4/5/2017		<0.001							
4/6/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4/7/2017									<0.001
6/20/2017			<0.001						
6/21/2017	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	
6/22/2017						<0.001			<0.001
10/4/2017			<0.001						
10/5/2017	<0.001	<0.001		<0.001	<0.001		<0.001		
10/6/2017						<0.001		<0.001	<0.001
3/20/2018	<0.001	<0.001	<0.001						
3/21/2018				<0.001	<0.001	<0.001		<0.001	
3/22/2018							<0.001		<0.001
10/2/2018	<0.001	<0.001	<0.001						
10/3/2018				<0.001	<0.001	<0.001	<0.001	<0.001	
10/4/2018									<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
3/27/2019							<0.001		<0.001
9/10/2019			<0.001		<0.001	<0.001			
9/11/2019	<0.001						<0.001	<0.001	<0.001
9/12/2019		<0.001		<0.001					
3/18/2020	<0.001		0.00025 (J)		<0.001		<0.001	<0.001	
3/19/2020		<0.001		<0.001		0.00036 (J)			<0.001
9/9/2020	<0.001	<0.001	<0.001				<0.001		
9/10/2020				<0.001	<0.001	<0.001		<0.001	0.00019 (J)
4/1/2021	<0.001		<0.001				<0.001		<0.001
4/2/2021						<0.001			
4/5/2021		0.00032 (J)		<0.001				0.0003 (J)	
4/6/2021					<0.001				
8/11/2021	<0.001	<0.001		<0.001				0.0002 (J)	0.00043 (J)
8/12/2021			<0.001		<0.001	<0.001	0.00037 (J)		

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.001	<0.001
6/16/2010		<0.001
6/19/2010	<0.001	
7/27/2010		<0.001
7/28/2010	<0.001	
9/8/2010	<0.001	<0.001
4/29/2011		<0.001
4/30/2011	<0.001	
10/27/2011	<0.001	<0.001
5/3/2012		<0.001
5/4/2012	<0.001	
11/11/2012	<0.001	<0.001
5/9/2013		<0.001
5/10/2013	<0.001	
11/6/2013		<0.001
11/7/2013	<0.001	
5/21/2014	<0.001	<0.001
11/12/2014		<0.001
11/13/2014	<0.001	
5/23/2015	<0.001	<0.001
11/11/2015	<0.001	
11/12/2015		<0.001
4/13/2016		<0.001 (D)
4/19/2016	<0.001	
6/22/2016		<0.001
8/15/2016		<0.001
10/6/2016		<0.001
10/10/2016	<0.001	
12/1/2016	<0.001	<0.001
2/8/2017		<0.001
2/9/2017	<0.001	
4/6/2017		<0.001
4/7/2017	<0.001	
6/21/2017	<0.001	<0.001
8/15/2017	<0.001	
9/1/2017	<0.001	
10/5/2017		<0.001
10/9/2017	<0.001	
3/21/2018		<0.001
3/22/2018	<0.001	
10/2/2018		<0.001
10/4/2018	<0.001	
3/27/2019	<0.001	<0.001
9/11/2019	<0.001	<0.001
3/18/2020	<0.001	<0.001
9/9/2020	<0.001	<0.001
4/1/2021		<0.001
4/5/2021	0.00081 (J)	
8/12/2021	0.00043 (J)	0.00016 (J)

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2016	38	84	61						
4/12/2016				147					
4/13/2016					103 (D)	99 (D)	<10 (D)	60 (D)	56 (D)
6/15/2016	<10	139	113						
6/16/2016				150					
6/21/2016					214 (O)	293	110	195 (O)	68
8/10/2016	56	80	74						
8/11/2016				110					
8/15/2016					130	90	<10	42	46
10/4/2016	48	62		140					60
10/5/2016			44		84	70	<10		
10/7/2016								24	
11/29/2016		110	58						
11/30/2016	46			130					
12/1/2016					130	120	16	68	70
2/7/2017	18	70	4 (J)	130					40
2/8/2017					130	86	12		
2/9/2017								56	
4/4/2017	32	120	78						
4/5/2017				130			18		
4/6/2017					130	130		68	74
6/20/2017	38	76	50	120		86	<10		34
6/21/2017					120				
6/22/2017								56	
10/4/2017	42			130					
10/5/2017		110	64		140	94	28		98
10/6/2017								90	
3/20/2018	20 (JX)	110	90	110					42
3/21/2018					120	100	28 (JX)		
3/22/2018								76	
10/2/2018	48	110	90	140	150	120	38		40
10/3/2018								22	
3/26/2019	45	100	82	150			29	59	60
3/27/2019					140	100			
9/10/2019	42	75	51	130					
9/11/2019					110	94	14	33	26
3/18/2020	43	93	75	130	140	100	26	100	57
9/9/2020	<10	66	64	120	160				54
9/10/2020						95	13	60	
4/1/2021	55	100	68	120	140	90	17		43
4/6/2021								55	
8/11/2021	55	100	94			120	18	75	71
8/17/2021					160				
8/18/2021				150					



# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
4/11/2016	89	99							
4/12/2016			93	104	92 (D)	80		138	
4/13/2016									130 (D)
4/19/2016							1290		
6/16/2016	88	102	130	111					
6/20/2016					78	111		154	116
6/22/2016							1060		
8/11/2016	52	38	92	70					
8/15/2016									92
8/16/2016					76	100	880	140	
10/4/2016			120						
10/5/2016	76	26		92	64				
10/6/2016						110	820	150	110
11/29/2016	72	82							
11/30/2016			130	92	82	110		160	
12/1/2016							900		140
2/7/2017			36						
2/8/2017	74	78		98	92	120			
2/9/2017							940	160	120
4/5/2017		100							
4/6/2017	84		150	92	88	130	1100	140	
4/7/2017									120
6/20/2017			92						
6/21/2017	88	100		100	88		1200	150	
6/22/2017						110			100
10/4/2017			120						
10/5/2017	110	100		130	86		950		
10/6/2017						120		160	140
3/20/2018	92	100	120						
3/21/2018				100	98	160		170	
3/22/2018							1000		130
10/2/2018	100	130	140						
10/3/2018				130	60	120	620	120	
10/4/2018									110
3/26/2019	94	100	130	110	86	130		130	
3/27/2019							580		120
9/10/2019			140		66	93			
9/11/2019	77						310	120	100
9/12/2019		70		84					
3/18/2020	92		140		72		430	140	
3/19/2020		110		120		130			98
9/9/2020	77	120	110				270		
9/10/2020				110	59	130		140	120
4/1/2021	62		120				260		110
4/2/2021						150			
4/6/2021					81				
6/1/2021		130		120					
6/2/2021								140	
8/11/2021	98	120		110				160	130
8/12/2021			130		89	130	370		

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-9
4/13/2016		135 (D)
4/19/2016	179	
6/22/2016		199
8/15/2016		120
10/6/2016		140
10/10/2016	110 (O)	
12/1/2016	170	160
2/8/2017		130
2/9/2017	180	
4/6/2017		140
4/7/2017	200	
6/21/2017	190	150
8/15/2017	190	
9/1/2017	160	
10/5/2017		170
3/21/2018		160
3/22/2018	220	
10/2/2018		34
10/17/2018	170	
3/27/2019	300	140
9/11/2019	210	130
3/18/2020	300	130
9/9/2020	360	150
4/1/2021		120
6/1/2021	340	
8/12/2021	240	150

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			0.0024 (J)						
5/9/2010	<0.001	0.0049 (J)					<0.001	<0.001	<0.001
5/10/2010					0.011	0.009 (J)			
5/11/2010				0.012					
6/16/2010		0.0054 (J)	0.002 (J)		0.01	0.0089 (J)			
6/17/2010				0.0082 (J)					
6/18/2010	<0.001						<0.001	<0.001	<0.001
7/26/2010			<0.001						
7/27/2010		0.0055 (J)		0.0096 (J)		0.0089 (J)	<0.001		
7/28/2010	<0.001				0.011				<0.001
7/29/2010								<0.001	
9/7/2010		0.005 (J)	0.0026 (J)						
9/8/2010					0.011	0.009 (J)	<0.001		
9/9/2010	<0.001			0.0098 (J)				<0.001	<0.001
4/26/2011								<0.001	
4/28/2011				0.0085 (J)					
4/29/2011		0.005 (J)	0.0036 (J)		0.01	0.0082 (J)	<0.001		
4/30/2011	<0.001								<0.001
10/27/2011					0.014	0.009 (J)			
10/28/2011	<0.001	0.0081 (J)	<0.001				<0.001	<0.001	<0.001
10/29/2011				0.011					
5/2/2012	<0.001	0.0059 (J)	0.003 (J)						
5/3/2012				0.013			<0.001		<0.001
5/4/2012					0.0096 (J)	0.0091 (J)		<0.001	
11/9/2012	<0.001	0.0062 (J)	0.0081 (J)	0.013					
11/10/2012						0.0096 (J)	<0.001		<0.001
11/11/2012					0.011			<0.001	
5/8/2013	<0.001	0.0079 (J)	<0.001					0.0039 (J)	<0.001
5/9/2013				0.012	0.011	0.01	<0.001		
11/5/2013	<0.001			0.015	0.013				<0.001
11/6/2013		0.0068 (J)	0.0032 (J)			0.01	<0.001		
11/7/2013								<0.001	
5/20/2014	<0.001	0.0074 (J)	0.0036 (J)			0.011	<0.001	<0.001	<0.001
5/21/2014					0.012				
5/23/2014				0.015					
11/8/2014		0.0097 (J)	0.0065 (J)						
11/12/2014	0.0035 (J)				0.016	0.012	0.0032 (J)	0.004 (J)	<0.001
11/13/2014				0.02					
5/22/2015	<0.001	0.0085 (J)	<0.001						
5/23/2015				0.018	0.011		<0.001		
5/24/2015						0.012		<0.001	<0.001
11/9/2015		<0.001	0.0047 (J)						
11/11/2015	<0.001			0.018					<0.001
11/12/2015					0.0053 (J)	<0.001	<0.001	<0.001	
4/6/2016	<0.001	0.00726 (J)	0.00424 (J)						
4/12/2016				0.0173					
4/13/2016					0.0124 (D)	0.00976 (JD)	<0.001 (D)	<0.001 (D)	<0.001 (D)
10/4/2016	0.0031	0.013		0.021					0.0026
10/5/2016			0.0049		0.013	0.013	<0.001		
10/7/2016								<0.001	
4/4/2017	<0.001	0.0046	0.0048						
4/5/2017				0.017			<0.001		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017					0.013	0.011		<0.001	<0.001
10/4/2017	0.0021 (J)			0.02					
10/5/2017		0.0071	0.0024 (J)		0.015	0.013	0.0022 (J)		0.0024 (J)
10/6/2017								0.0032	
3/20/2018	<0.001 (D)	0.0067	0.0041	0.016					<0.001
3/21/2018					0.012	0.0098	<0.0014 (JX)		
3/22/2018								<0.001	
10/2/2018	<0.001	0.0069	0.004	0.017	0.012	0.01	<0.001		<0.001
10/3/2018								<0.001	
3/26/2019	<0.001	0.007	0.0051	0.017			0.0029	0.0041	0.0034
3/27/2019					0.012	0.012			
9/10/2019	0.0022	0.01	0.0091	0.02					
9/11/2019					0.017	0.015	0.0052	0.0062	0.0062
3/18/2020	0.0011	0.0078	0.0051	0.02	0.013	0.011	<0.001	0.001	<0.001
9/9/2020	<0.001	0.0072	0.0053	0.018	0.012				<0.001
9/10/2020						0.01	<0.001	0.0011	
4/1/2021	<0.001	0.0078	0.005	0.019	0.013	0.011	<0.001		0.0013
4/6/2021								0.0028	
8/11/2021	<0.001	0.0082	0.0055			0.011	<0.001	0.0013	0.0012
8/18/2021				0.018					
10/18/2021					0.013				

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	0.0052 (J)								0.011
5/11/2010		0.0064 (J)	0.0078 (J)	0.014	0.0046 (J)	0.0068 (J)	0.0038 (J)	0.0055	
6/16/2010	0.0059 (J)	0.0061 (J)							
6/17/2010				0.014	0.0046 (J)	0.0079 (J)			
6/18/2010							0.0044 (J)	0.0071 (J)	0.017
6/19/2010			<0.001						
7/26/2010	0.0052 (J)								
7/27/2010		0.006 (J)	0.0096 (J)	0.016			0.0054 (J)	0.0085 (J)	
7/28/2010					0.019 (O)	0.0077 (J)			0.012
9/7/2010	0.0056 (J)	0.0066 (J)		0.017	0.0072 (J)				
9/8/2010						0.0077 (J)			
9/9/2010			0.0095 (J)				0.0053 (J)	0.0088 (J)	0.013
4/28/2011			0.01			0.0099 (J)			
4/29/2011	0.005 (J)	0.0066 (J)		0.015	0.0052 (J)		0.0039 (J)		
4/30/2011								0.0094 (J)	0.012
10/28/2011	0.0048 (J)	0.0057 (J)	0.014	0.016	0.0059 (J)		<0.001		
10/29/2011						0.006 (J)		0.009 (J)	0.013
5/2/2012	0.0057 (J)	0.006 (J)							
5/3/2012			0.013	0.016	0.0049 (J)	0.0084 (J)			
5/4/2012							<0.001	0.0084 (J)	0.012
11/9/2012	0.0057 (J)	0.0073 (J)	0.012		0.007 (J)				
11/10/2012				0.018		0.0061 (J)	0.0035 (J)	0.0089 (J)	0.012
5/8/2013	0.0069 (J)								
5/9/2013		0.0069 (J)	0.012	0.019			0.004 (J)	0.0071 (J)	0.013
5/10/2013					0.0094 (J)	0.009 (J)			
11/5/2013			0.014						
11/6/2013	0.0052 (J)	0.0077 (J)		0.019	0.0059 (J)	0.0089 (J)	0.0034 (J)		
11/7/2013								0.0094 (J)	0.014
5/21/2014								0.0082 (J)	0.013
5/22/2014		0.0075 (J)	0.013	0.018	0.0057 (J)	0.0084 (J)	0.0047 (J)		
5/23/2014	0.0081 (J)								
11/8/2014	0.01	0.0081 (J)							
11/9/2014				0.02	0.0069 (J)	0.0076 (J)	0.0067 (J)	0.013	
11/12/2014									0.015
11/13/2014			0.016						
5/22/2015	0.0052 (J)				0.006 (J)	0.011			
5/23/2015		0.01							
5/24/2015			0.014	0.016			0.0033 (J)	0.009 (J)	0.015
11/10/2015	<0.001	0.0033 (J)		0.01	0.011				
11/11/2015			0.014			0.0034 (J)	<0.001	0.0052	0.0055 (J)
4/11/2016	0.00604 (J)	0.00756 (J)							
4/12/2016			0.0155	0.019	0.00503 (JD)	0.00654 (J)		0.00896 (J)	
4/13/2016									0.0127 (D)
4/19/2016							<0.001		
10/4/2016			0.017						
10/5/2016	0.0075	0.0084		<0.001	<0.001				
10/6/2016						<0.001	<0.001	<0.001	<0.001
4/5/2017		0.0086							
4/6/2017	0.0065		0.015	0.02	0.0056	0.0073	0.0018 (J)	0.0089	
4/7/2017									0.013
10/4/2017			0.015						
10/5/2017	0.0052	0.0062		0.02	0.0061		<0.001		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/6/2017						0.0087		0.011	0.015
3/20/2018	0.0064	0.0072	0.014						
3/21/2018				0.021	0.0097	0.0058		0.0077	
3/22/2018							0.0018 (J)		0.012
10/2/2018	0.0064	0.0073	0.015						
10/3/2018				0.017	0.0053	0.006	0.0018 (J)	0.0081	
10/4/2018									0.012
3/26/2019	0.0094	0.0094	0.016	0.018	0.0076	0.011		0.012	
3/27/2019							0.002 (J)		0.013
9/10/2019			0.018		0.0078	0.0086			
9/11/2019	0.011						0.0047	0.012	0.015
9/12/2019		0.0083		0.02					
3/18/2020	0.0075		0.016		0.0051		0.002	0.0099	
3/19/2020		0.008		0.019		0.0065			0.014
9/9/2020	0.007	0.0071	0.014				0.002		
9/10/2020				0.018	0.0061	0.0068		0.0094	0.014
4/1/2021	0.0081		0.014				0.0027		0.014
4/2/2021						0.0081			
4/5/2021		0.0068		0.017				0.0091	
4/6/2021					0.0075				
8/11/2021	0.008	0.0076		0.019				0.0099	0.013
8/12/2021			0.016		0.0087	0.007	0.0021		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	0.013	0.0097 (J)
6/16/2010		0.01
6/19/2010	0.0075 (J)	
7/27/2010		0.012
7/28/2010	0.01	
9/8/2010	0.038	0.013
4/29/2011		0.0097 (J)
4/30/2011	0.053 (O)	
10/27/2011	0.016	0.015
5/3/2012		0.017
5/4/2012	0.018	
11/11/2012	0.025	0.017
5/9/2013		0.014
5/10/2013	0.09 (O)	
11/6/2013		0.019
11/7/2013	0.02	
5/21/2014	0.016	0.016
11/12/2014		0.022
11/13/2014	0.065 (O)	
5/23/2015	0.032	0.016
11/11/2015	0.033	
11/12/2015		0.015
4/13/2016		0.0144 (D)
4/19/2016	0.0233	
10/6/2016		<0.001
10/10/2016	0.01425 (D)	
4/6/2017		0.016
4/7/2017	0.0044	
10/5/2017		0.024
10/9/2017	0.0047	
3/21/2018		0.018
3/22/2018	0.0043	
10/2/2018		0.021
10/4/2018	<0.001	
3/27/2019	0.003	0.019
9/11/2019	0.0042	0.025
3/18/2020	0.0031	0.012
9/9/2020	<0.001	0.022
4/1/2021		0.0095
4/5/2021	0.0023	
8/12/2021	<0.001	0.02

# Time Series

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
5/8/2010			<0.005						
5/9/2010	<0.005	<0.005					<0.005	<0.005	<0.005
5/10/2010					<0.005	<0.005			
5/11/2010				<0.005					
6/16/2010		<0.005	<0.005		<0.005	<0.005			
6/17/2010				<0.005					
6/18/2010	<0.005						<0.005	<0.005	<0.005
7/26/2010			<0.005						
7/27/2010		<0.005		<0.005		<0.005	<0.005		
7/28/2010	<0.005				<0.005				<0.005
7/29/2010								<0.005	
9/7/2010		<0.005	<0.005						
9/8/2010					<0.005	<0.005	<0.005		
9/9/2010	<0.005			<0.005				<0.005	<0.005
4/26/2011								<0.005	
4/28/2011				<0.005					
4/29/2011		<0.005	<0.005		<0.005	<0.005	<0.005		
4/30/2011	<0.005								<0.005
10/27/2011					<0.005	<0.005			
10/28/2011	<0.005	<0.005	<0.005				<0.005	<0.005	<0.005
10/29/2011				<0.005					
5/2/2012	<0.005	<0.005	<0.005						
5/3/2012				<0.005			<0.005		<0.005
5/4/2012					<0.005	<0.005		<0.005	
11/9/2012	<0.005	<0.005	<0.005	<0.005					
11/10/2012						<0.005	<0.005		<0.005
11/11/2012					<0.005			<0.005	<0.005
5/8/2013	<0.005	<0.005	<0.005					<0.005	<0.005
5/9/2013				<0.005	<0.005	<0.005	<0.005		
11/5/2013	<0.005			<0.005	<0.005				<0.005
11/6/2013		<0.005	<0.005			<0.005	<0.005		
11/7/2013								<0.005	
5/20/2014	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
5/21/2014					<0.005				
5/23/2014				<0.005					
11/8/2014		<0.005	<0.005						
11/12/2014	<0.005				<0.005	<0.005	<0.005	<0.005	<0.005
11/13/2014				<0.005					
5/22/2015	<0.005	<0.005	<0.005						
5/23/2015				<0.005	<0.005		<0.005		
5/24/2015						<0.005		<0.005	<0.005
11/9/2015		<0.005	<0.005						
11/11/2015	<0.005			<0.005					<0.005
11/12/2015					<0.005	<0.005	<0.005	<0.005	
4/6/2016	<0.005	<0.005	0.00274 (J)						
4/12/2016				<0.005					
4/13/2016					<0.005 (D)	0.00241 (JD)	0.00409 (JD)	0.00289 (JD)	<0.005 (D)
10/4/2016	<0.005	<0.005		<0.005					<0.005
10/5/2016			0.0073 (J)		<0.005	<0.005	<0.005		
10/7/2016								<0.005	
4/4/2017	<0.005	<0.005	<0.005						
4/5/2017				<0.005			<0.005		



# Time Series

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017					<0.005	<0.005		<0.005	<0.005
10/4/2017	<0.005			<0.005					
10/5/2017		<0.005	<0.005		<0.005	<0.005	<0.005		<0.005
10/6/2017								0.0071 (J)	
3/20/2018	<0.005 (D)	<0.005	<0.005	<0.005					<0.005
3/21/2018					<0.005	0.007 (J)	<0.005 (D)		
3/22/2018								<0.005	
10/2/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.022 (O)	<0.005		<0.005
10/3/2018								<0.005	
3/26/2019	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
3/27/2019					<0.005	<0.005			
9/10/2019	0.006	0.0047 (J)	0.0084	0.0038 (J)					
9/11/2019					0.004 (J)	0.0072	0.0065	0.0085	0.0038 (J)
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	0.0052	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005				<0.005
9/10/2020						0.018	0.0037 (J)	0.0038 (J)	
4/1/2021	<0.005	<0.005	<0.005	<0.005	<0.005	0.0034 (J)	<0.005		<0.005
4/6/2021								0.004 (J)	
8/11/2021	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
8/18/2021				<0.005					
10/18/2021					<0.005				

# Time Series

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
5/10/2010	<0.005								<0.005
5/11/2010		<0.005	<0.005	<0.005	0.018 (O)	<0.005	<0.005	<0.005	
6/16/2010	<0.005	<0.005							
6/17/2010				<0.005	<0.005	<0.005			
6/18/2010							<0.005	<0.005	<0.005
6/19/2010			<0.005						
7/26/2010	<0.005								
7/27/2010		<0.005	<0.005	<0.005			<0.005	<0.005	
7/28/2010					0.016 (O)	<0.005			<0.005
9/7/2010	<0.005	<0.005		<0.005	<0.005				
9/8/2010						<0.005			
9/9/2010			<0.005				<0.005	<0.005	<0.005
4/28/2011			<0.005			<0.005			
4/29/2011	<0.005	<0.005		<0.005	<0.005		<0.005		
4/30/2011								<0.005	<0.005
10/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
10/29/2011						<0.005		<0.005	<0.005
5/2/2012	<0.005	<0.005							
5/3/2012			<0.005	<0.005	<0.005	<0.005			
5/4/2012							<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005	<0.005		<0.005				
11/10/2012				<0.005		<0.005	<0.005	<0.005	<0.005
5/8/2013	<0.005								
5/9/2013		<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
5/10/2013					<0.005	<0.005			
11/5/2013			<0.005						
11/6/2013	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
11/7/2013								<0.005	<0.005
5/21/2014								<0.005	<0.005
5/22/2014		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
5/23/2014	<0.005								
11/8/2014	<0.005	<0.005							
11/9/2014				<0.005	<0.005	<0.005	<0.005	<0.005	
11/12/2014									<0.005
11/13/2014			<0.005						
5/22/2015	<0.005				<0.005	<0.005			
5/23/2015		<0.005							
5/24/2015			<0.005	<0.005			<0.005	<0.005	<0.005
11/10/2015	<0.005	<0.005		<0.005	<0.005				
11/11/2015			<0.005			<0.005	0.0089 (J)	<0.005	<0.005
4/11/2016	<0.005	<0.005							
4/12/2016			<0.005	<0.005	<0.005 (D)	0.00203 (J)		<0.005	
4/13/2016									<0.005 (D)
4/19/2016							0.0133 (O)		
10/4/2016			<0.005						
10/5/2016	<0.005	0.0085 (O)		<0.005	0.01 (O)				
10/6/2016						<0.005	<0.005	<0.005	<0.005
4/5/2017		<0.005							
4/6/2017	<0.005		<0.005	<0.005	<0.005	<0.005	0.0087 (J)	<0.005	
4/7/2017									<0.005
10/4/2017			<0.005						
10/5/2017	<0.005	<0.005		<0.005	<0.005		0.0078 (J)		

# Time Series

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7
10/6/2017						<0.005		<0.005	<0.005
3/20/2018	<0.005	<0.005	<0.005						
3/21/2018				<0.005	<0.005	<0.005		<0.005	
3/22/2018							0.0086 (J)		<0.005
10/2/2018	<0.005	<0.005	<0.005						
10/3/2018				<0.005	<0.005	<0.005	<0.005	<0.005	
10/4/2018									<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
3/27/2019							<0.005		<0.005
9/10/2019			0.004 (J)		0.0069	0.006			
9/11/2019	0.0077						0.0074	0.0062	0.0074
9/12/2019		0.0059		0.0065					
3/18/2020	<0.005		<0.005		<0.005		0.0045 (J)	<0.005	
3/19/2020		<0.005		<0.005		<0.005			<0.005
9/9/2020	<0.005	<0.005	<0.005				<0.005		
9/10/2020				<0.005	<0.005	<0.005		<0.005	<0.005
4/1/2021	<0.005		0.01				<0.005		<0.005
4/2/2021						<0.005			
4/5/2021		<0.005		<0.005				<0.005	
4/6/2021					<0.005				
8/11/2021	<0.005	<0.005		<0.005				<0.005	<0.005
8/12/2021			<0.005		0.0035 (J)	<0.005	0.0034 (J)		

# Time Series

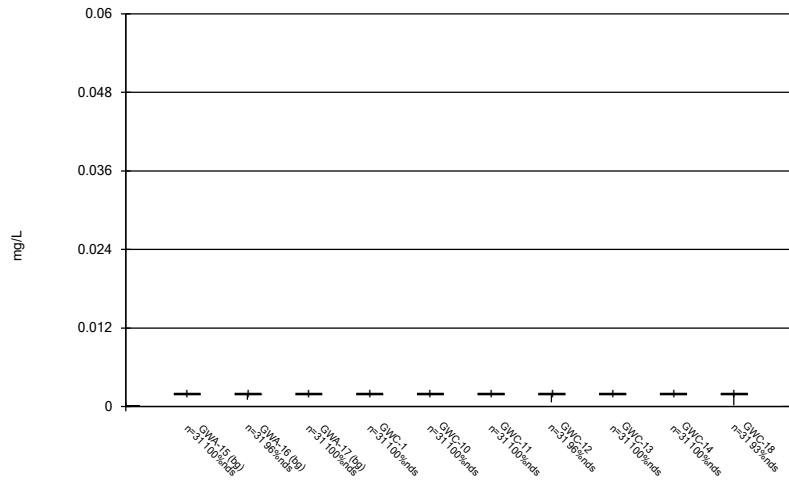
Constituent: Zinc (mg/L) Analysis Run 12/2/2021 3:02 PM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-9
5/10/2010	<0.005	<0.005
6/16/2010		<0.005
6/19/2010	0.0081 (J)	
7/27/2010		<0.005
7/28/2010	0.017 (J)	
9/8/2010	0.085	<0.005
4/29/2011		<0.005
4/30/2011	0.13 (O)	
10/27/2011	0.03	<0.005
5/3/2012		<0.005
5/4/2012	0.029	
11/11/2012	0.046	<0.005
5/9/2013		<0.005
5/10/2013	0.23 (O)	
11/6/2013		<0.005
11/7/2013	0.028	
5/21/2014	0.015 (J)	<0.005
11/12/2014		<0.005
11/13/2014	0.13 (O)	
5/23/2015	0.059	<0.005
11/11/2015	0.079	
11/12/2015		<0.005
4/13/2016		<0.005 (D)
4/19/2016	0.0218	
10/6/2016		<0.005
10/10/2016	0.013 (J)	
4/6/2017		<0.005
4/7/2017	<0.005	
10/5/2017		<0.005
10/9/2017	<0.005	
3/21/2018		<0.005
3/22/2018	<0.005	
10/2/2018		<0.005
10/4/2018	<0.005	
3/27/2019	<0.005	<0.005
9/11/2019	0.0052	0.0037 (J)
3/18/2020	<0.005	<0.005
9/9/2020	<0.005	<0.005
4/1/2021		<0.005
4/5/2021	<0.005	
8/12/2021	<0.005	<0.005

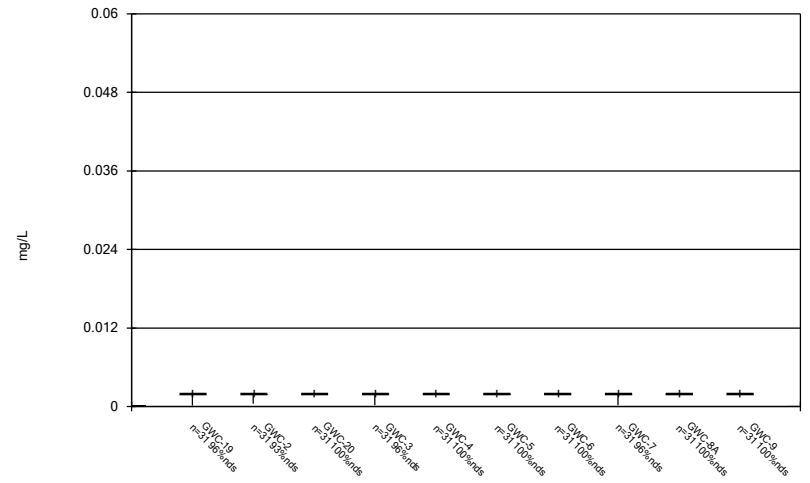
FIGURE B.

Box & Whiskers Plot



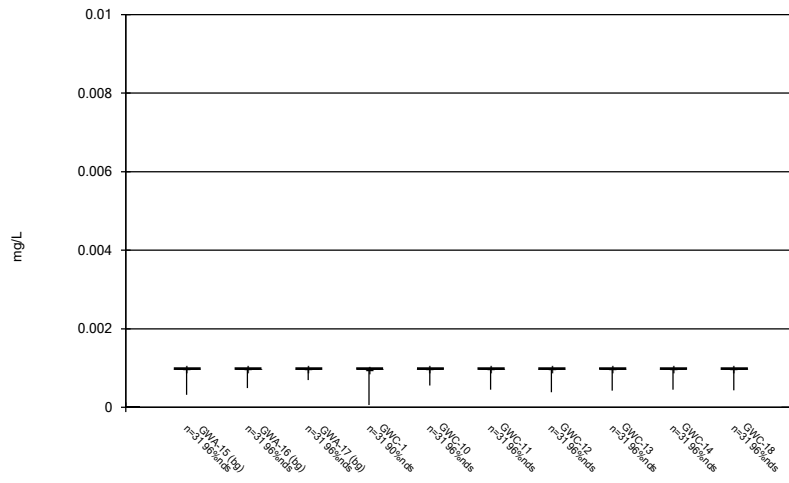
Constituent: Antimony, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



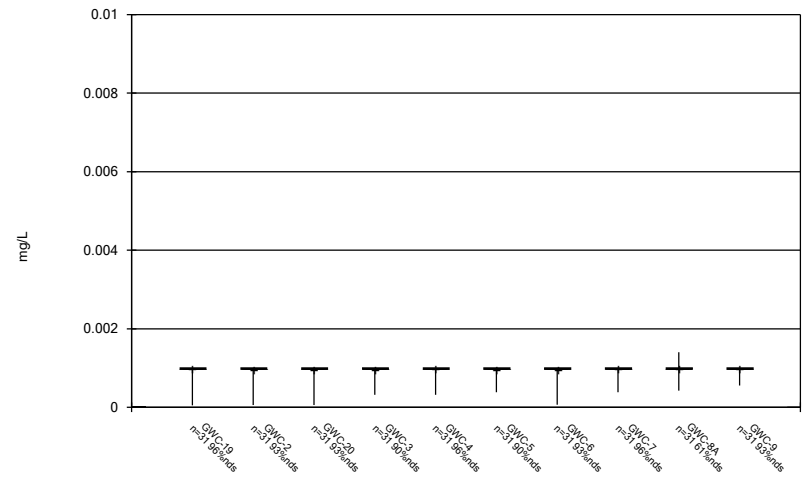
Constituent: Antimony, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



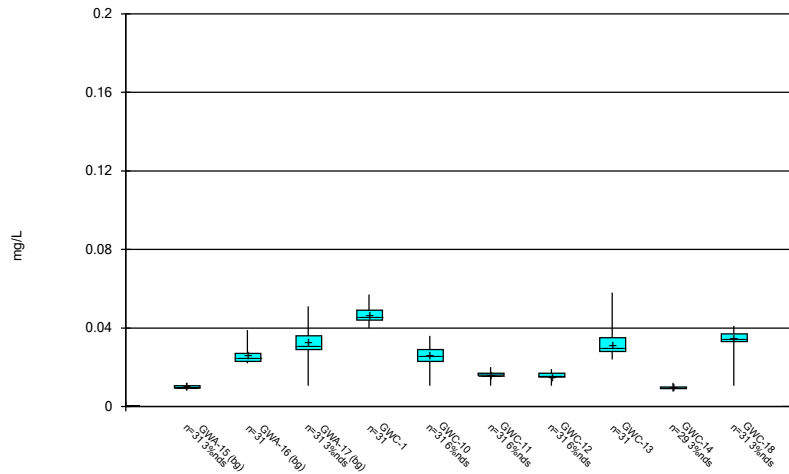
Constituent: Arsenic, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



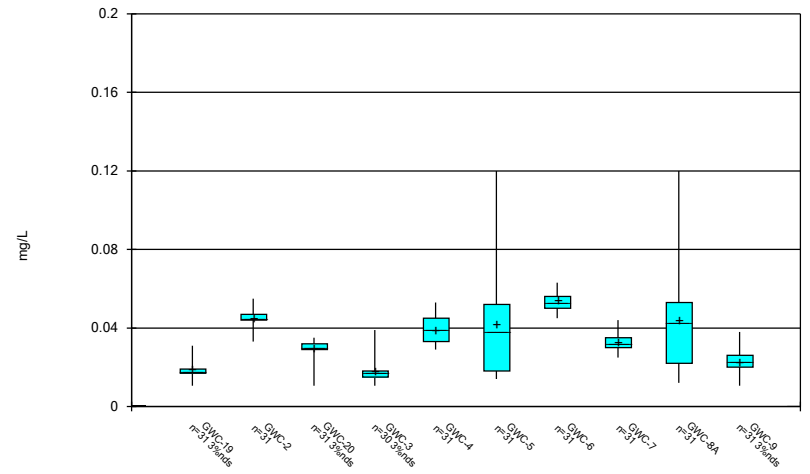
Constituent: Arsenic, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



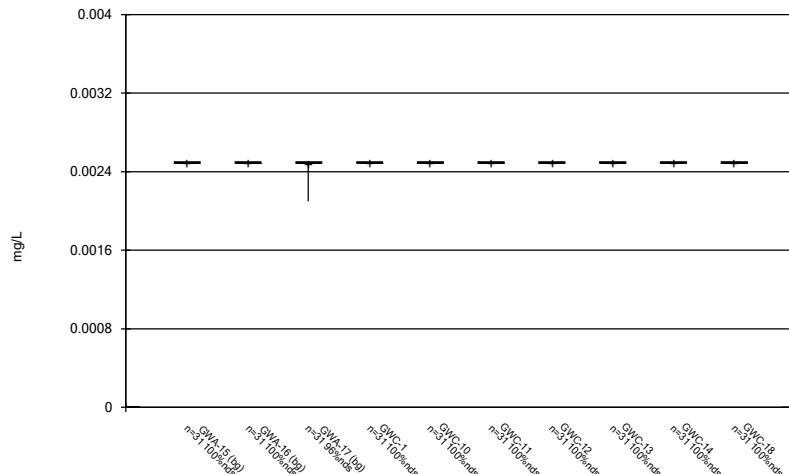
Constituent: Barium, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



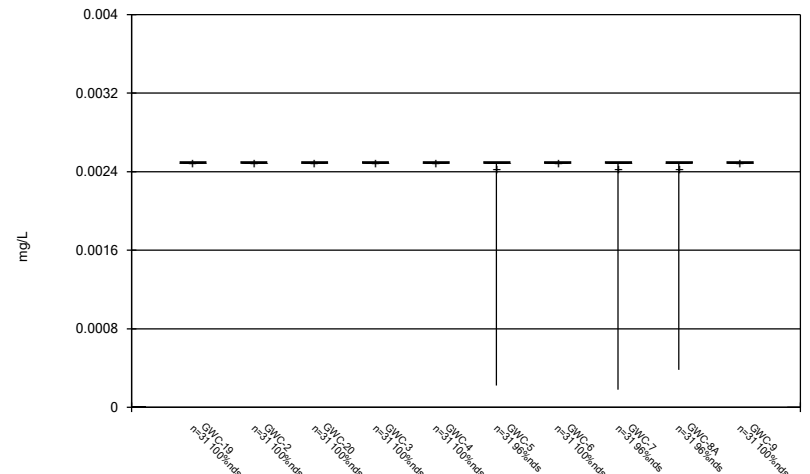
Constituent: Barium, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



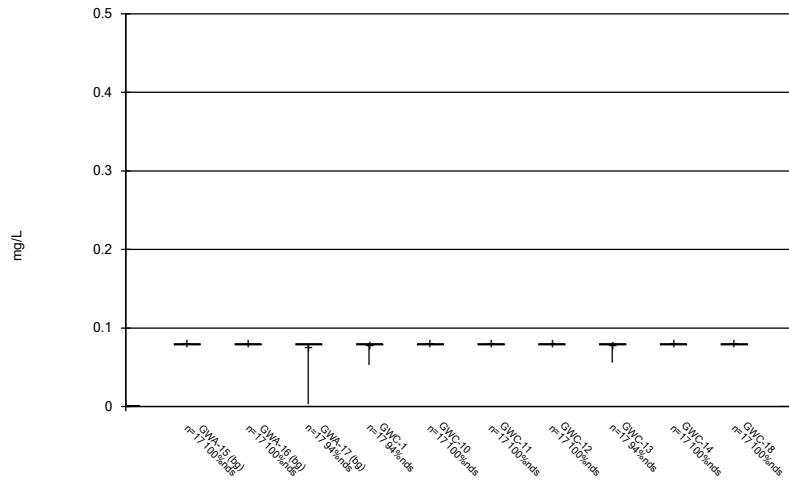
Constituent: Beryllium, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



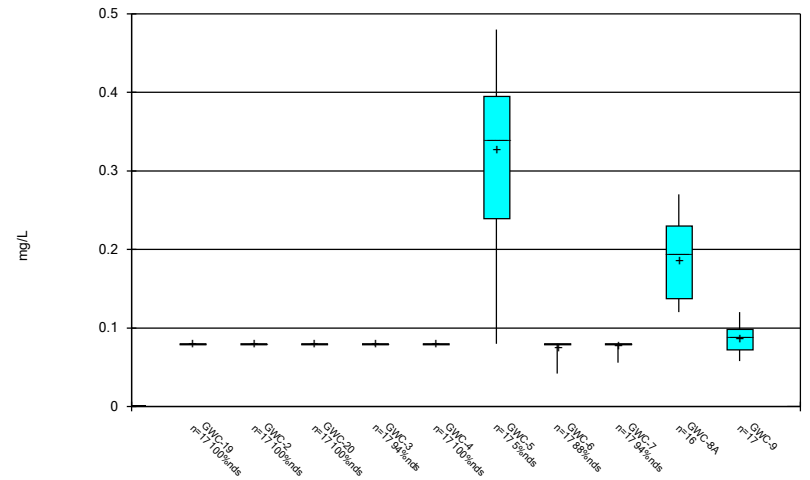
Constituent: Beryllium, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



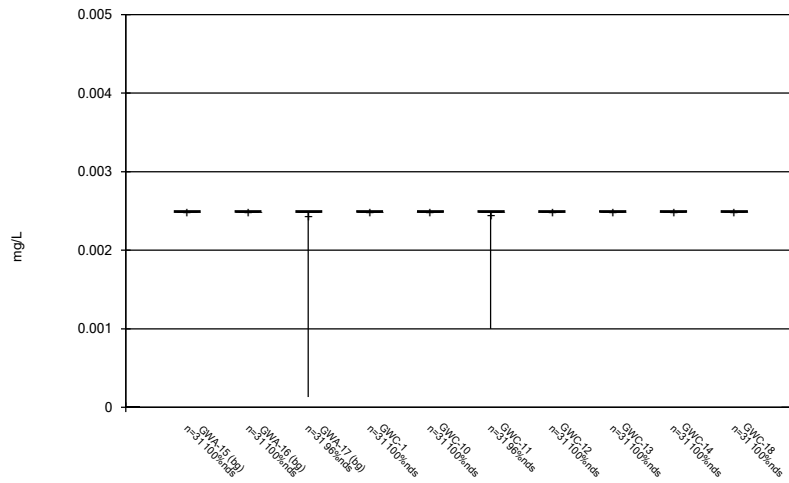
Constituent: Boron Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



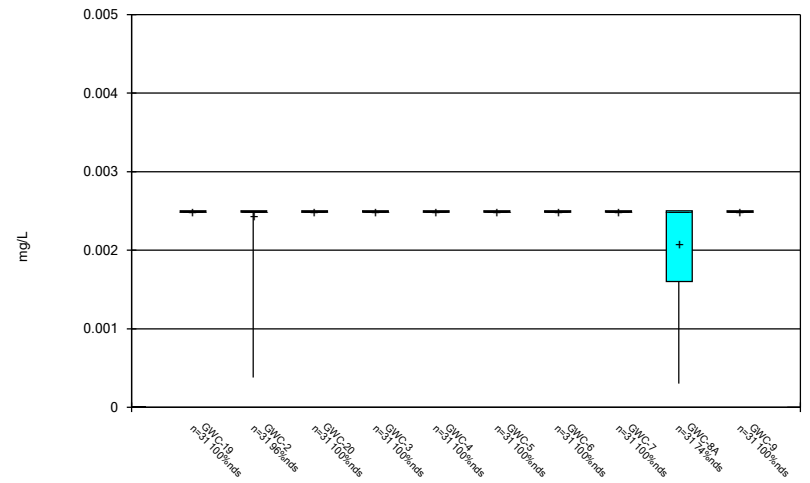
Constituent: Boron Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



Constituent: Cadmium, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

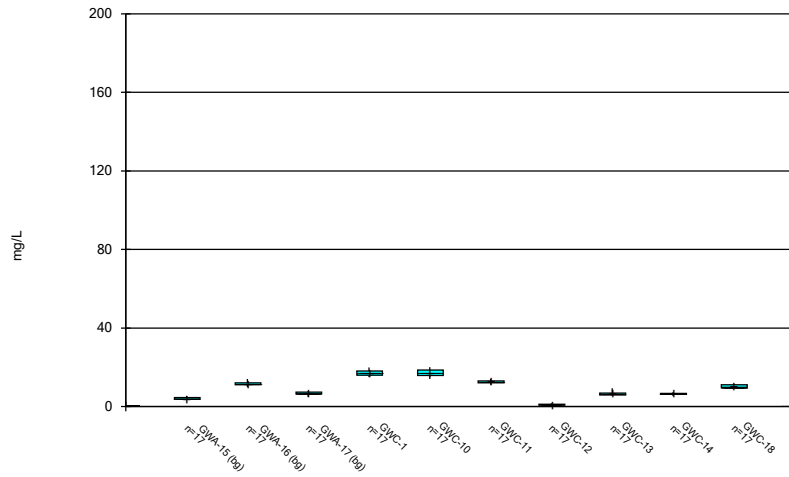
Box & Whiskers Plot



Constituent: Cadmium, Total Analysis Run 12/2/2021 3:02 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

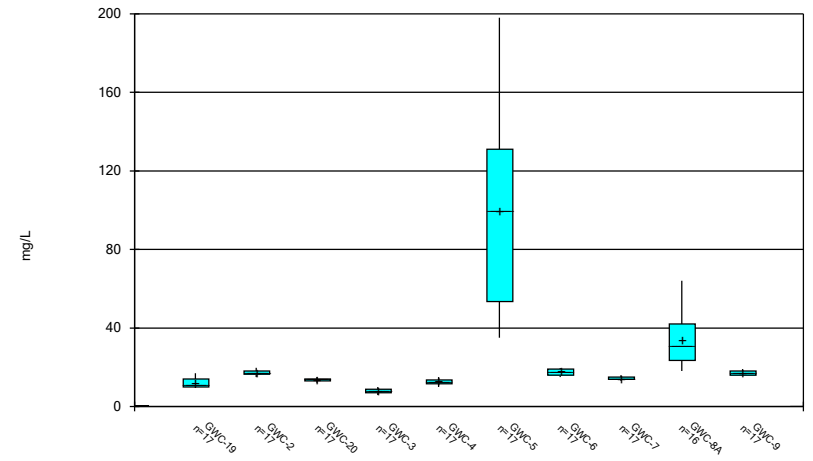


### Box & Whiskers Plot



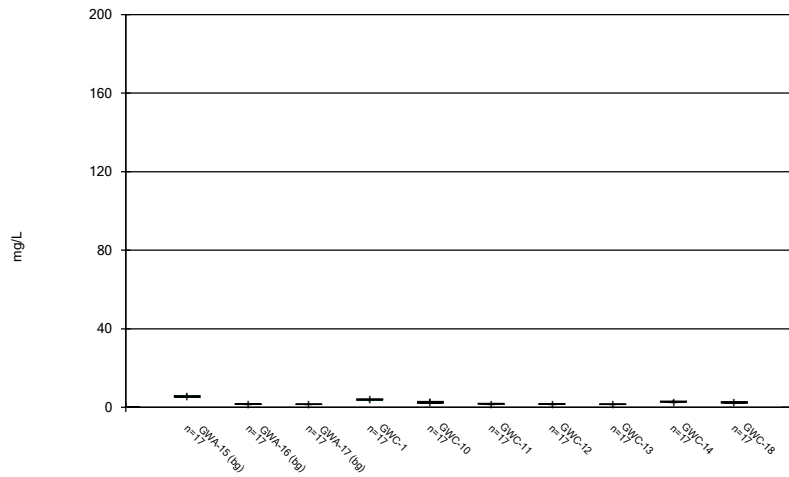
Constituent: Calcium Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



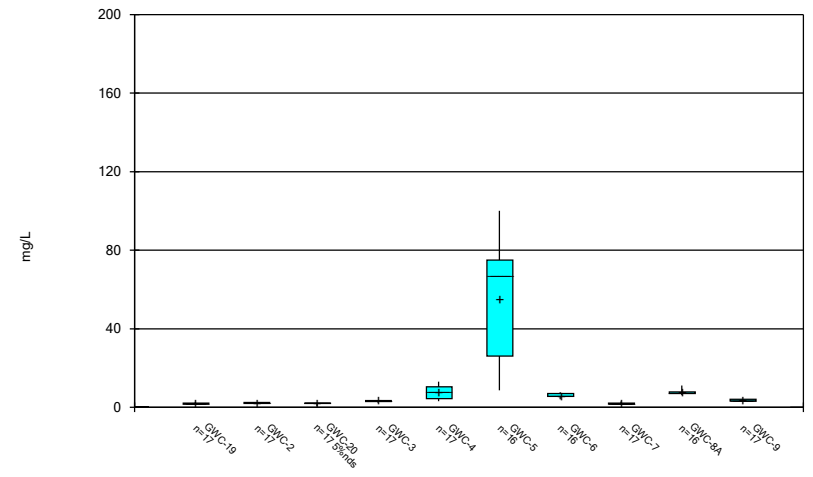
Constituent: Calcium Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



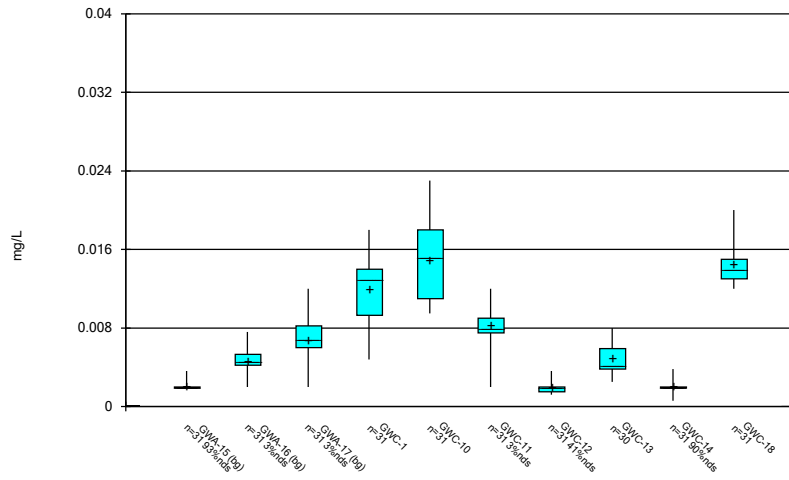
Constituent: Chloride Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



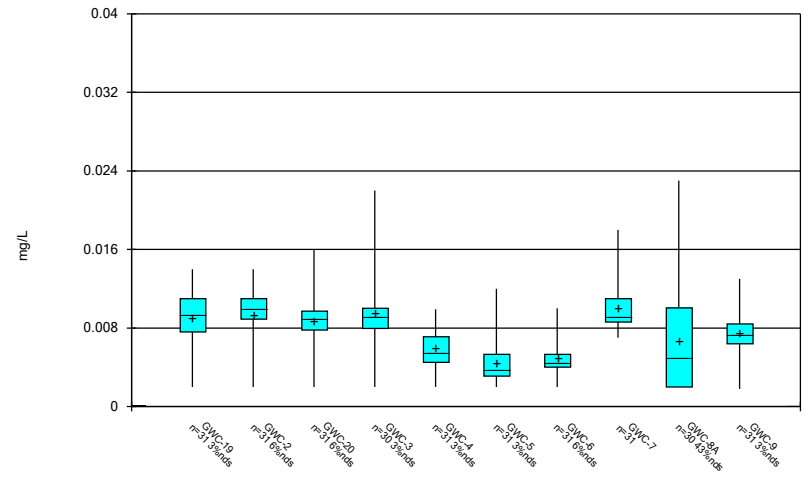
Constituent: Chloride Analysis Run 12/2/2021 3:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



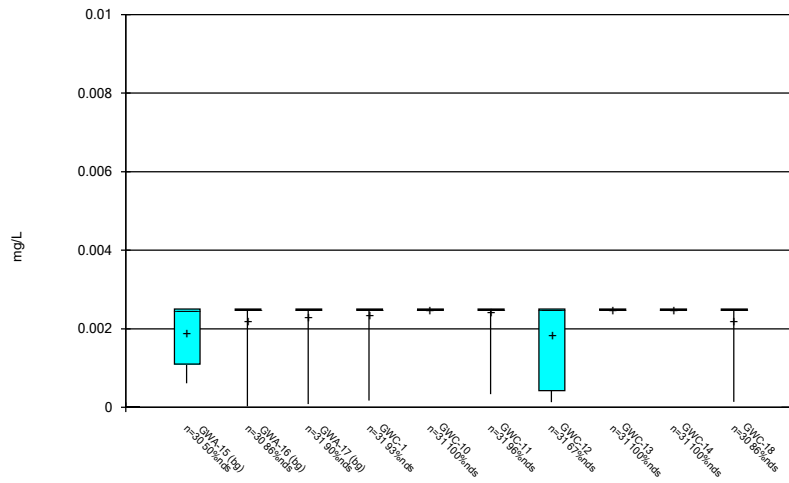
Constituent: Chromium, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



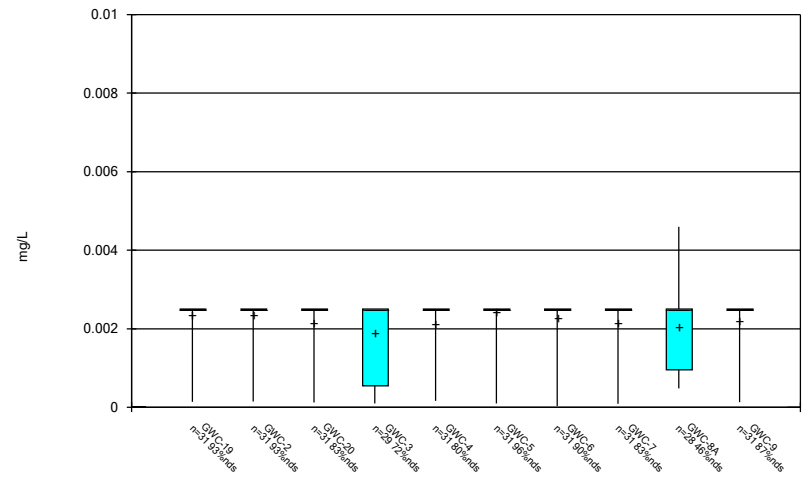
Constituent: Chromium, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



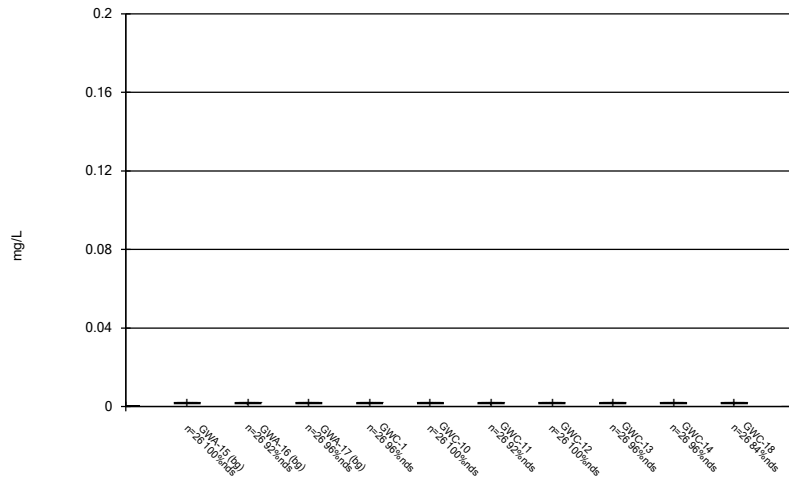
Constituent: Cobalt, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



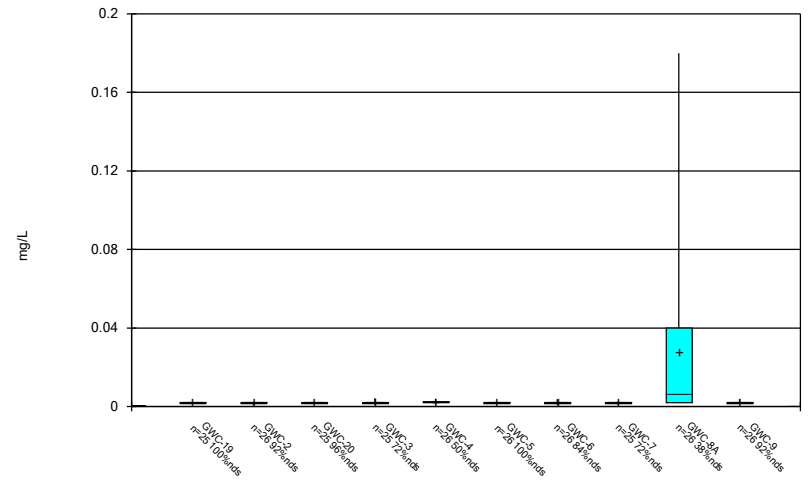
Constituent: Cobalt, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



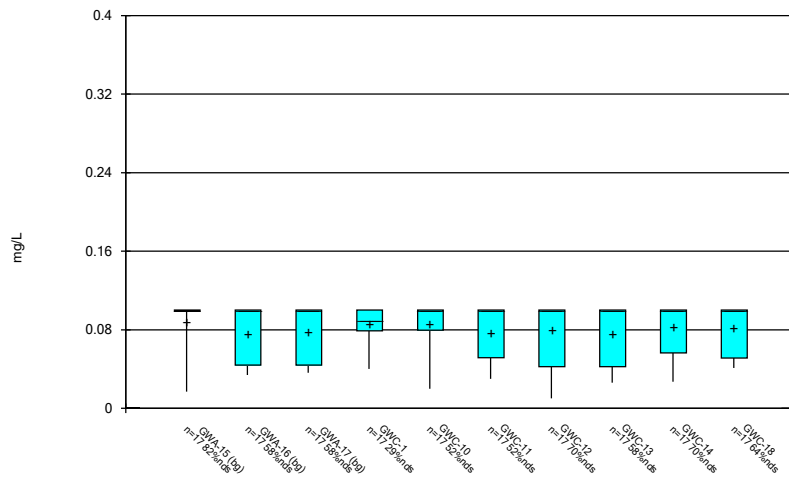
Constituent: Copper Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



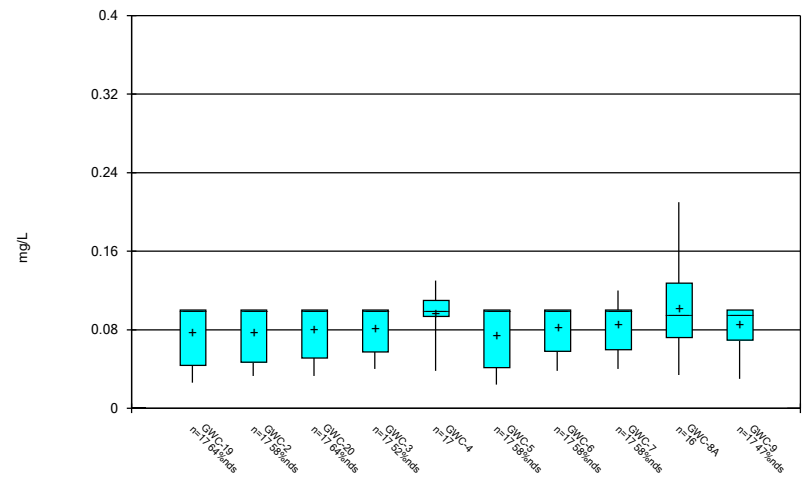
Constituent: Copper Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



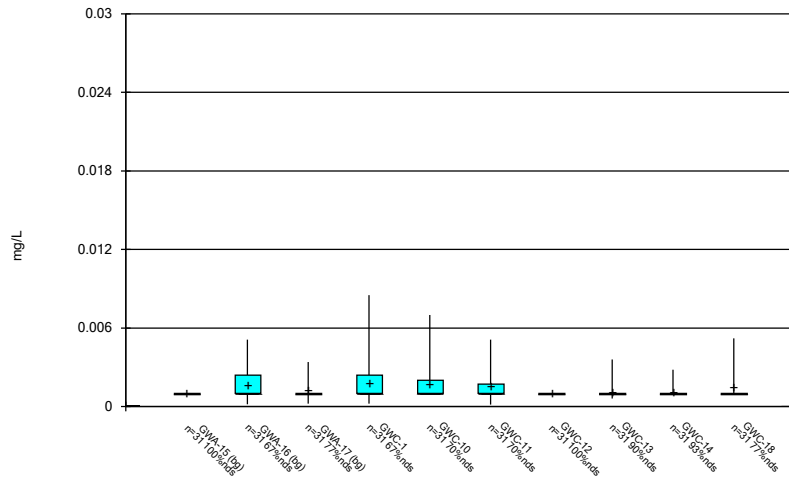
Constituent: Fluoride Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



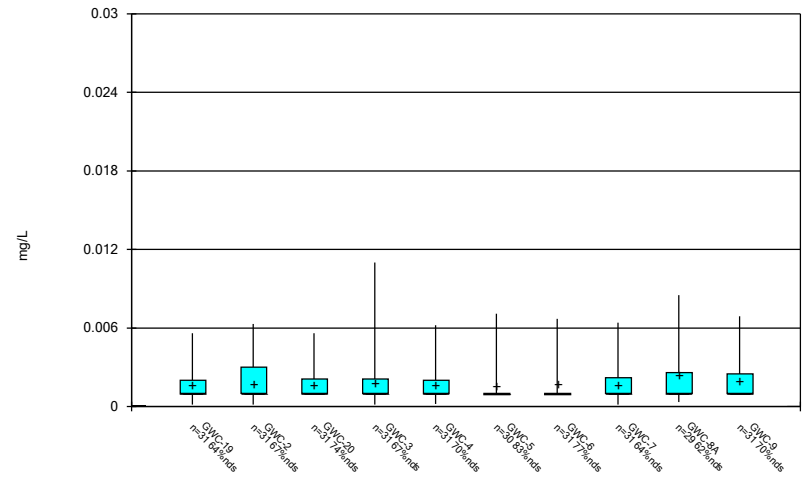
Constituent: Fluoride Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



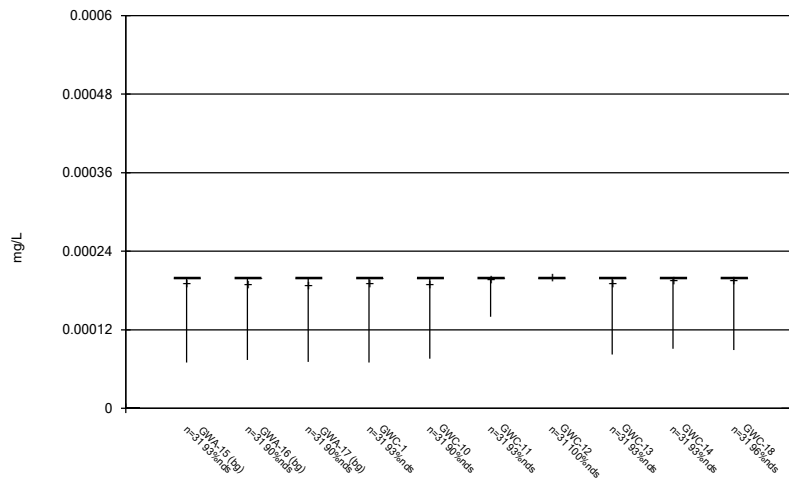
Constituent: Lead, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



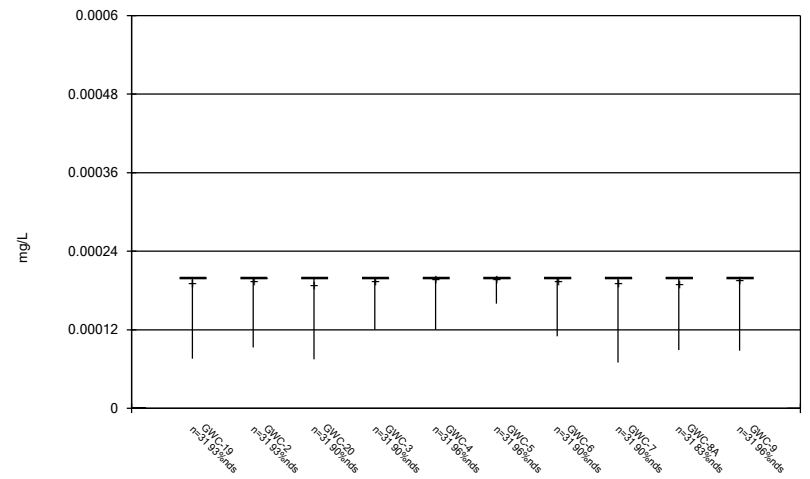
Constituent: Lead, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



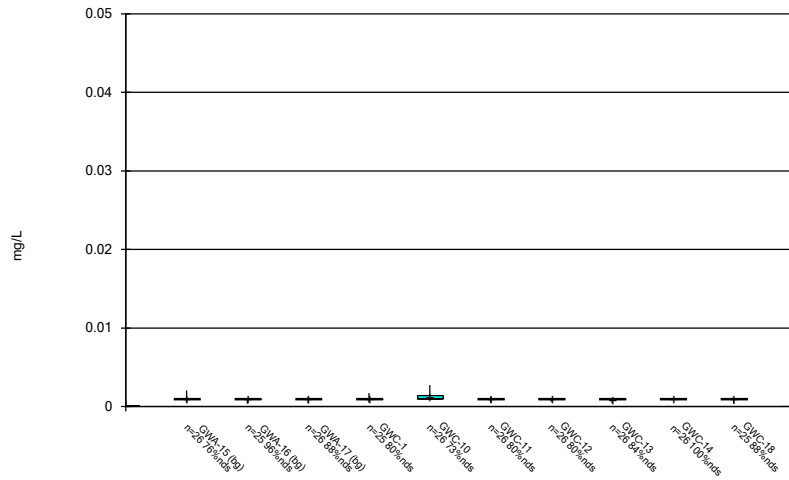
Constituent: Mercury Analysis Run 12/2/2021 3:03 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



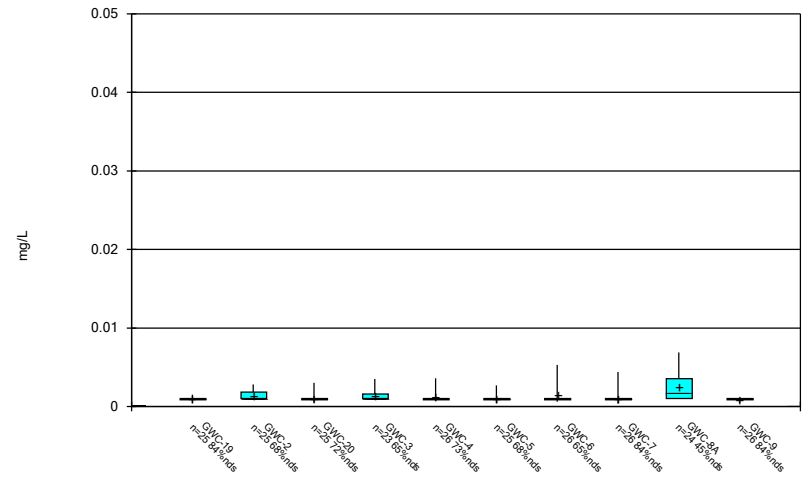
Constituent: Mercury Analysis Run 12/2/2021 3:03 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



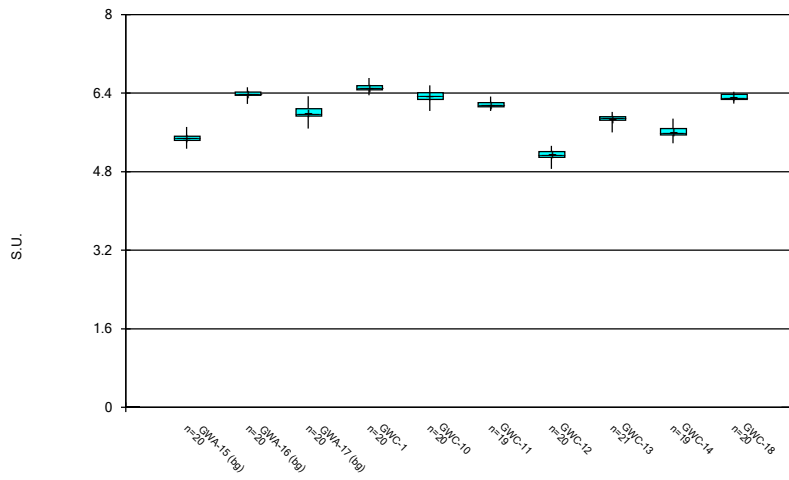
Constituent: Nickel Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



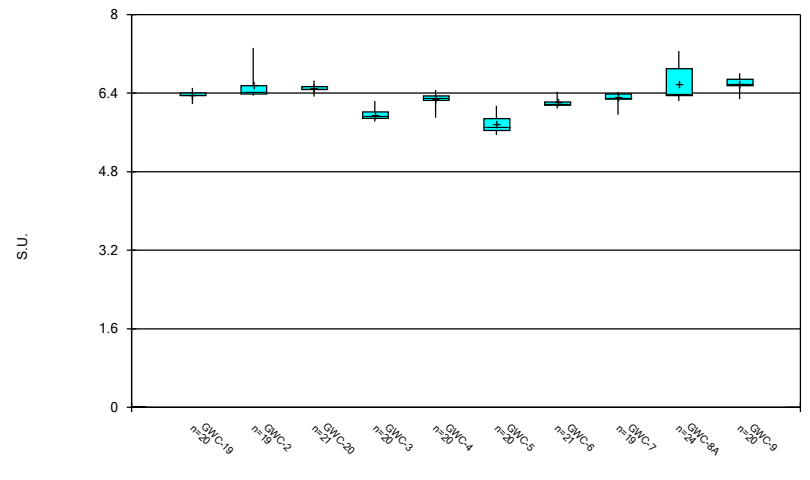
Constituent: Nickel Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



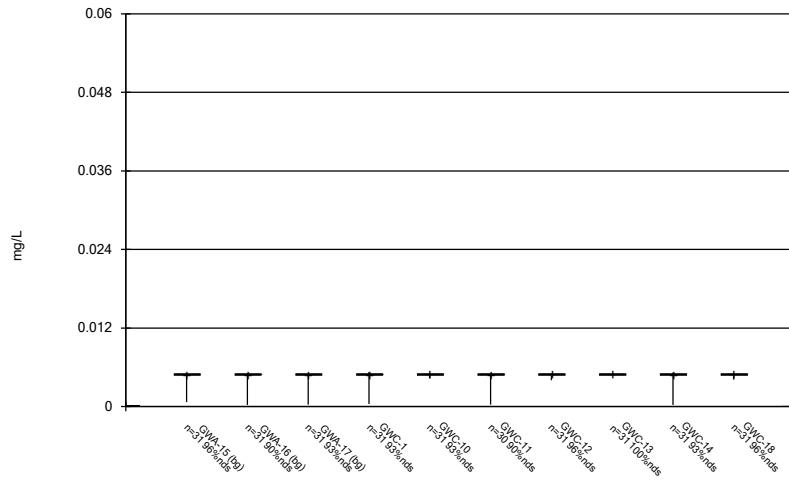
Constituent: pH Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



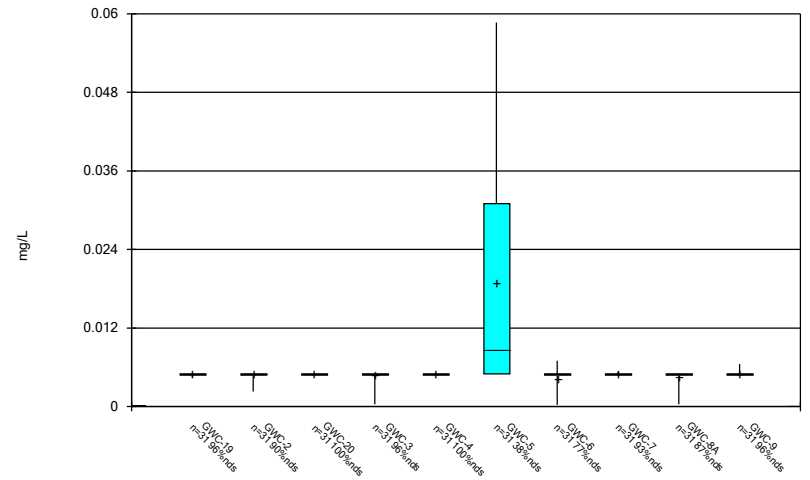
Constituent: pH Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



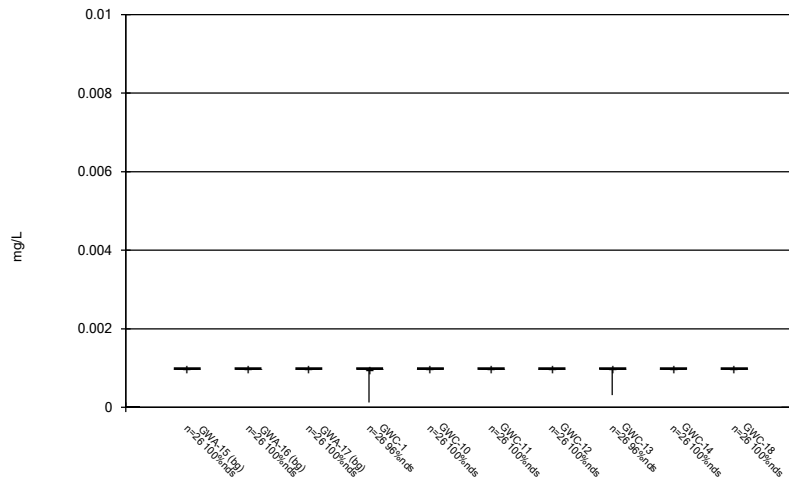
Constituent: Selenium, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



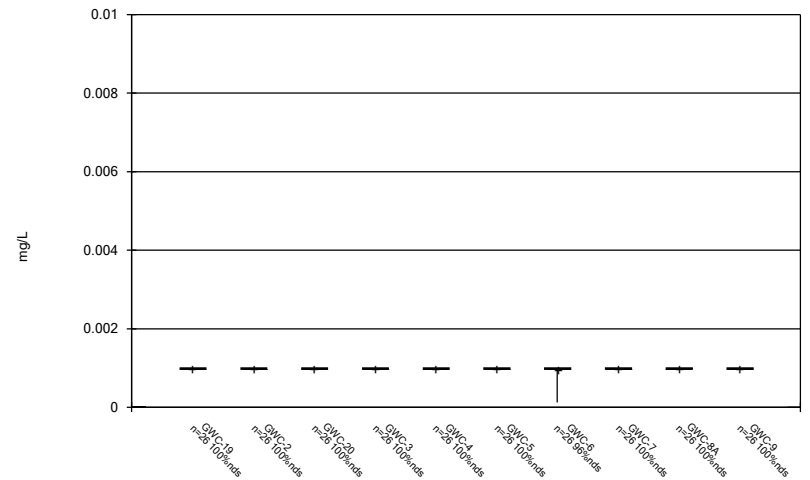
Constituent: Selenium, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



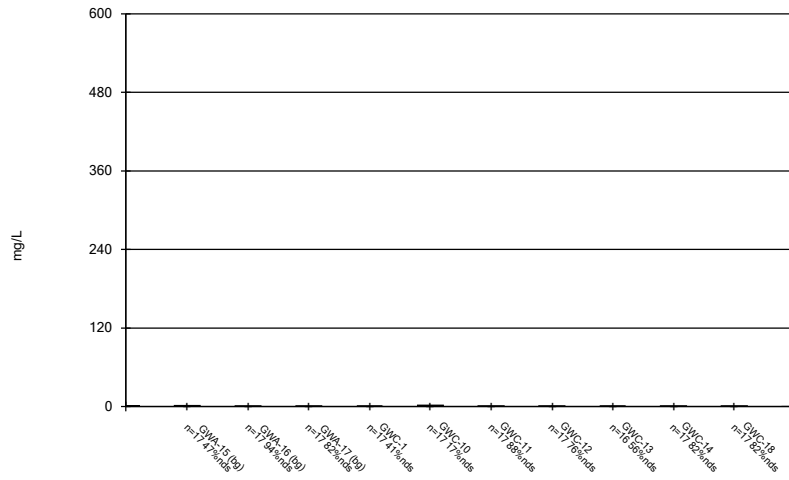
Constituent: Silver Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



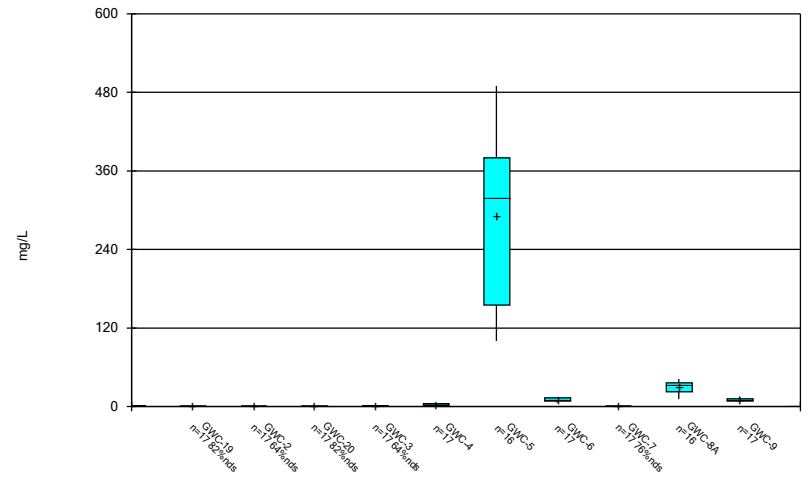
Constituent: Silver Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



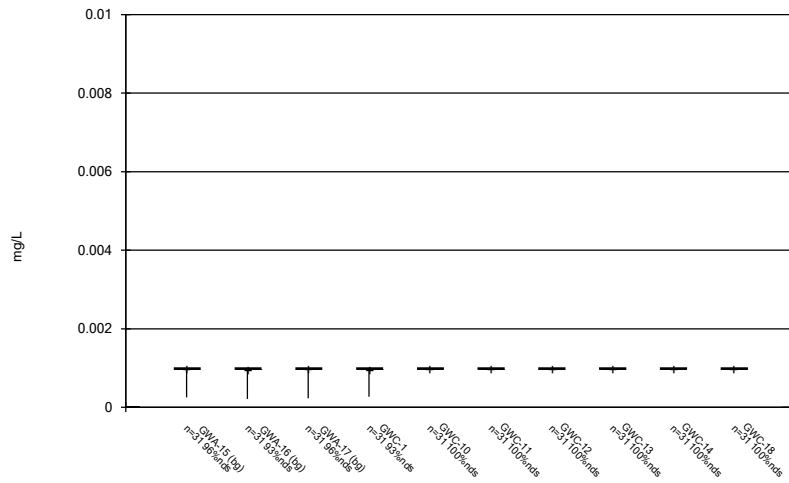
Constituent: Sulfate Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



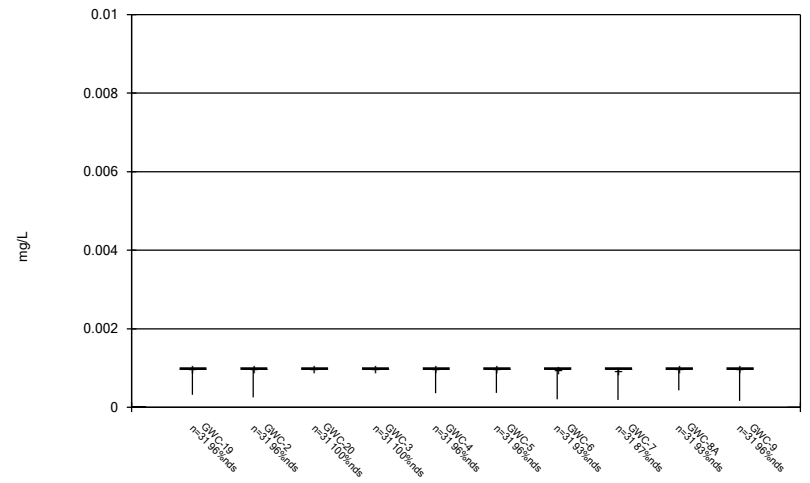
Constituent: Sulfate Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



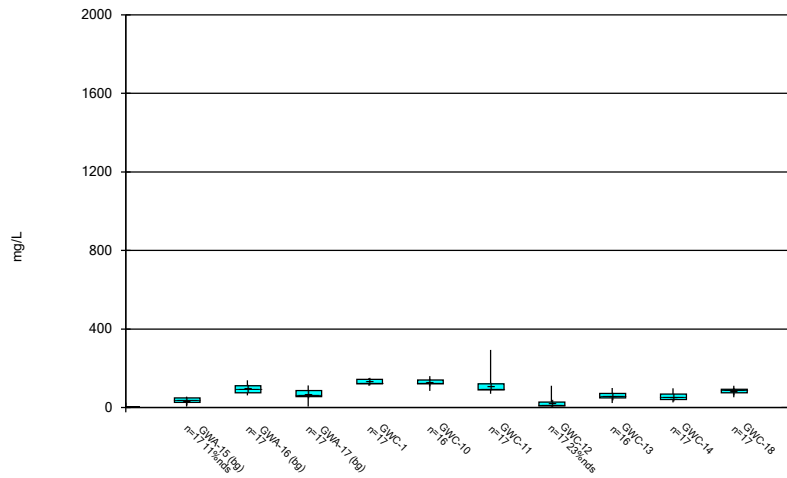
Constituent: Thallium, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



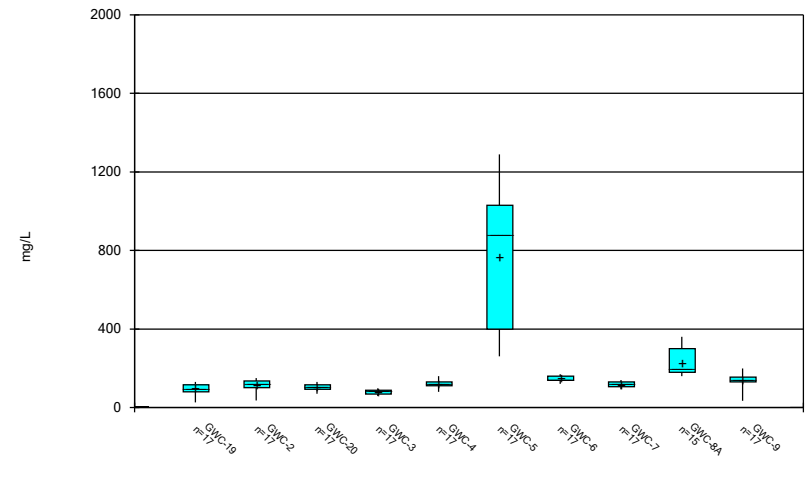
Constituent: Thallium, Total Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



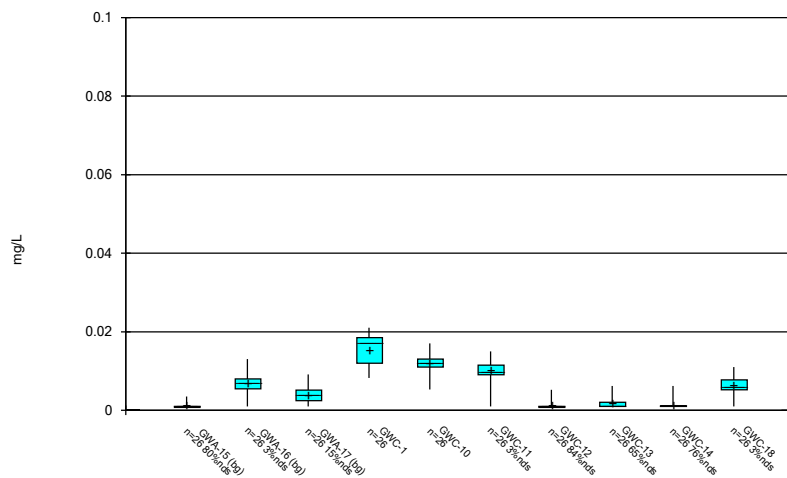
Constituent: Total Dissolved Solids Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



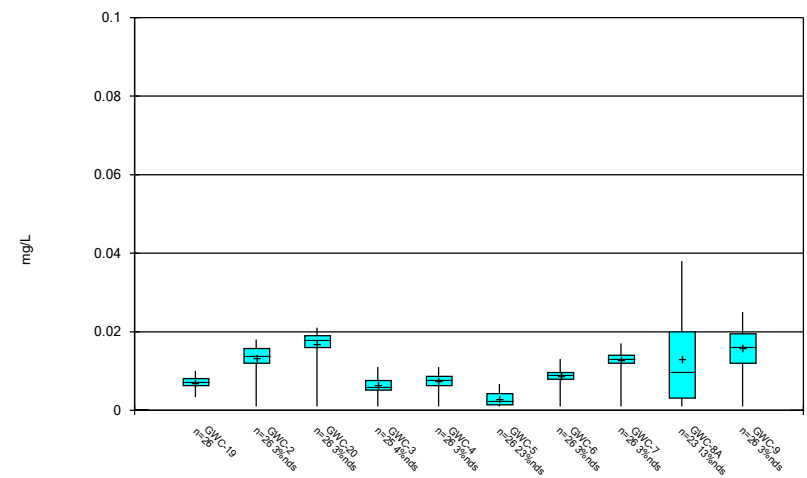
Constituent: Total Dissolved Solids Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Box & Whiskers Plot



Constituent: Vanadium Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

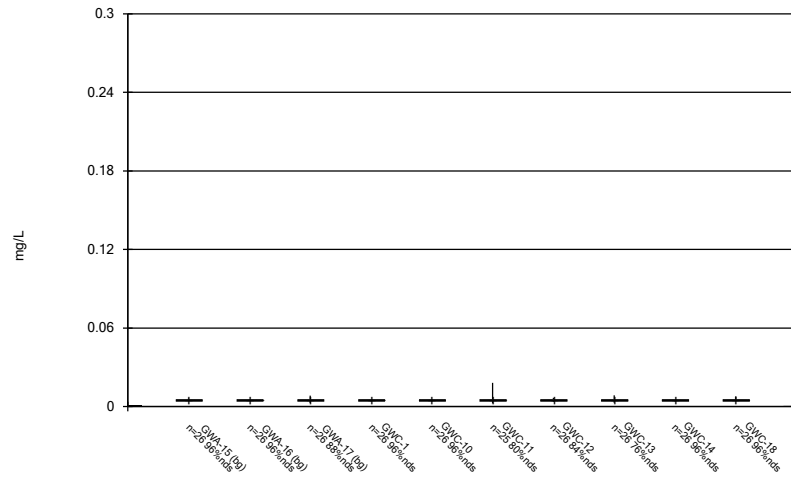
Box & Whiskers Plot



Constituent: Vanadium Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

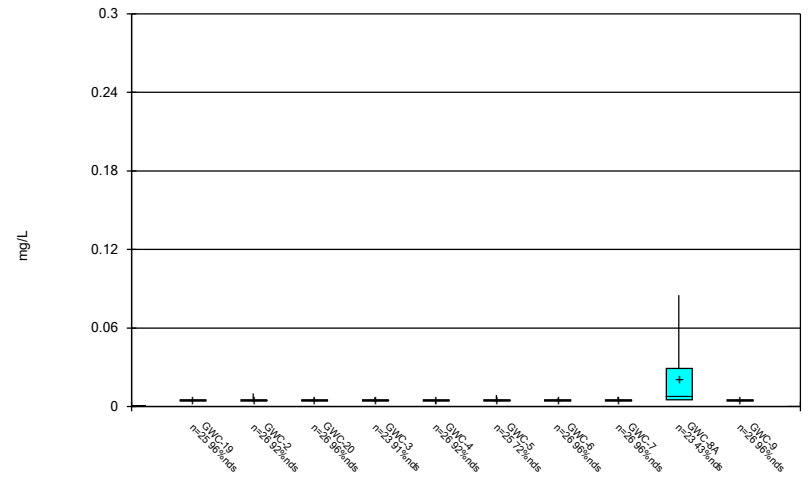


### Box & Whiskers Plot



Constituent: Zinc Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 12/2/2021 3:03 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

FIGURE C.









# Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 9/19/2021, 12:01 PM

---

GWC-3 Zinc (mg/L)  
GWC-5 Zinc (mg/L)  
GWC-8A Zinc (mg/L)

5/11/2010	0.018 (O)		
6/18/2010			
7/28/2010	0.016 (O)		
9/7/2010			
4/28/2011			
4/29/2011			
4/30/2011		0.13 (O)	
10/28/2011			
5/3/2012			
5/10/2013		0.23 (O)	
11/13/2014		0.13 (O)	
5/22/2015			
5/23/2015			
5/24/2015			
4/6/2016			
4/19/2016		0.0133 (O)	
6/21/2016			
10/5/2016	0.01 (O)		
10/10/2016			
2/7/2017			
2/8/2017			
4/6/2017			
3/20/2018			
3/22/2018			
10/2/2018			
3/18/2020			

FIGURE D.



# Appendix I Intrawell Prediction Limit - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method	
Barium, Total (mg/L)	GWC-14	0.01121	n/a	8/11/2021	0.012	Yes	27	8.3e-7	2.3e-7	3.704	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-19	0.01999	n/a	8/11/2021	0.031	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	8/12/2021	0.0028	Yes	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (mg/L)	GWA-16	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-12	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-18	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-19	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-2	0.002	n/a	8/12/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-3	0.002	n/a	8/12/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-7	0.002	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-15	0.01222	n/a	8/11/2021	0.01	No	29	1.0e-6	3.3e-7	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-16	0.039	n/a	8/11/2021	0.023	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-17	0.05168	n/a	8/11/2021	0.029	No	29	0.03311	0.007355	3.448	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-1	0.05736	n/a	8/18/2021	0.049	No	29	0.04657	0.004275	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-10	0.03499	n/a	10/18/2021	0.031	No	25	0.02434	0.004121	8	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-11	0.02014	n/a	8/11/2021	0.017	No	29	0.000004288	0.000001538	6.897	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-12	0.02024	n/a	8/11/2021	0.018	No	29	0.0002401	0.00006713	6.897	None	x^2	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-13	0.04187	n/a	8/11/2021	0.037	No	25	0.3096	0.01457	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-14</b>	<b>0.01121</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>0.012</b>	<b>Yes</b>	<b>27</b>	<b>8.3e-7</b>	<b>2.3e-7</b>	<b>3.704</b>	<b>None</b>	<b>x^3</b>	<b>0.0001937</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-18	0.04194	n/a	8/11/2021	0.037	No	29	0.0000432	0.00001211	3.448	None	x^3	0.0001937	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>0.01999</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>0.031</b>	<b>Yes</b>	<b>25</b>	<b>9.0e-8</b>	<b>2.7e-8</b>	<b>4</b>	<b>None</b>	<b>x^4</b>	<b>0.0001937</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-2	0.05512	n/a	8/12/2021	0.048	No	29	0.04531	0.003886	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-20	0.03633	n/a	8/11/2021	0.031	No	29	0.00002787	0.00000795	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-3	0.039	n/a	8/12/2021	0.019	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWC-4	0.05318	n/a	8/12/2021	0.049	No	29	0.0383	0.005897	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-5	0.1279	n/a	8/12/2021	0.036	No	29	0.1968	0.06373	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-6	0.06608	n/a	8/11/2021	0.054	No	29	0.05388	0.004831	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-7	0.04238	n/a	8/11/2021	0.036	No	29	0.03227	0.004007	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-8A	0.1198	n/a	8/12/2021	0.026	No	29	0.2032	0.05658	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-9	0.03624	n/a	8/12/2021	0.023	No	29	0.02271	0.005359	3.448	None	No	0.0001937	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWA-17	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-5	0.0025	n/a	8/12/2021	0.00022J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-7	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-8A	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-17	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-11	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-2	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-8A	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-15	0.0036	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-16	0.008833	n/a	8/11/2021	0.0059	No	29	0.06962	0.009652	3.448	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-17	0.0117	n/a	8/11/2021	0.0089	No	29	0.007027	0.001851	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-1	0.01967	n/a	8/18/2021	0.014	No	29	0.01183	0.003104	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-10	0.02162	n/a	10/18/2021	0.019	No	25	0.01381	0.003022	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-11	0.012	n/a	8/11/2021	0.0078	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-12	0.0036	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	41.38	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-13	0.009035	n/a	8/11/2021	0.0051	No	28	0.06874	0.01036	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-14	0.0038	n/a	8/11/2021	0.002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWC-18	0.02	n/a	8/11/2021	0.014	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-19	0.01516	n/a	8/11/2021	0.013	No	29	0.009037	0.002426	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-2	0.01406	n/a	8/12/2021	0.012	No	29	0.009993	0.00161	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-20	0.01426	n/a	8/11/2021	0.0087	No	29	0.009105	0.002041	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-3	0.022	n/a	8/12/2021	0.0085	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-4	0.01042	n/a	8/12/2021	0.0045	No	29	0.006141	0.001695	3.448	None	No	0.0001937	Param Intra 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method	
Chromium, Total (mg/L)	GWC-5	0.01111	n/a	8/12/2021	0.0053	No	29	-5.492	0.393	3.448	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-6	0.012	n/a	8/11/2021	0.005	No	29	n/a	n/a	6.897	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-7	0.01648	n/a	8/11/2021	0.0092	No	29	-4.614	0.2014	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-8A	0.023	n/a	8/12/2021	0.002ND	No	28	n/a	n/a	39.29	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-9	0.01258	n/a	8/12/2021	0.0077	No	29	0.007675	0.001942	3.448	None	No	0.0001937	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-15	0.0025	n/a	8/11/2021	0.0011J	No	28	n/a	n/a	53.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-16	0.0025	n/a	8/11/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-17	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.00025J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-10	0.0025	n/a	10/18/2021	0.0025ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-11	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-12	0.00057	n/a	8/11/2021	0.00033J	No	29	n/a	n/a	72.41	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-18	0.0025	n/a	8/11/2021	0.00021J	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-19	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-2	0.0025	n/a	8/12/2021	0.0002J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-20	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-3	0.00042	n/a	8/12/2021	0.00067J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-4	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-5	0.0025	n/a	8/12/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-6	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-7	0.0025	n/a	8/11/2021	0.0025ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-8A	0.0046	n/a	8/12/2021	0.0019J	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWC-9	0.0025	n/a	8/12/2021	0.00013J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-1	0.002	n/a	8/18/2021	0.0011J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10	0.002	n/a	10/18/2021	0.002ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-2	0.002	n/a	8/12/2021	0.00078J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	8/11/2021	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	8/12/2021	0.0019J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0039	n/a	8/12/2021	0.002ND	No	24	n/a	n/a	50	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	8/11/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	8/11/2021	0.002ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.18	n/a	8/12/2021	0.002ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-9	0.0038	n/a	8/12/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-16	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-17	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-10	0.001	n/a	10/18/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-11	0.0017	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-14	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-18	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-19	0.0015	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-2	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-20	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Lead, Total (mg/L)	GWC-3	0.001	n/a	8/12/2021	0.0014J	No	15	n/a	n/a	93.33	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-4	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-5	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-7	0.001	n/a	8/11/2021	0.00014J	No	15	n/a	n/a	93.33	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-8A	0.0012	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.001ND	No	15	n/a	n/a	100	n/a	n/a	0.007533 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-17	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	8/18/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	8/17/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-7	0.0002	n/a	8/11/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	8/12/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	8/11/2021	0.00051J	No	24	n/a	n/a	83.33	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	8/11/2021	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.0012	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	8/18/2021	0.0017	No	23	n/a	n/a	86.96	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	10/18/2021	0.002	No	24	n/a	n/a	79.17	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	8/11/2021	0.0006J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	8/11/2021	0.0008J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.001	n/a	8/11/2021	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0015	n/a	8/11/2021	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
<b>Nickel (mg/L)</b>	<b>GWC-2</b>	<b>0.0023</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>0.0028</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>73.91</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415 NP Intra (NDs) 1 of 2</b>
Nickel (mg/L)	GWC-20	0.003	n/a	8/11/2021	0.00056J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	8/12/2021	0.0029	No	21	n/a	n/a	71.43	n/a	n/a	0.003999 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0036	n/a	8/12/2021	0.00076J	No	24	n/a	n/a	79.17	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	8/12/2021	0.00061J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	8/11/2021	0.00074J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	8/12/2021	0.0035	No	22	n/a	n/a	50	n/a	n/a	0.003707 NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.00045J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-15	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-16	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-17	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-1	0.0053	n/a	8/18/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-10	0.005	n/a	8/17/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172 NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium, Total (mg/L)	GWC-11	0.005	n/a	8/11/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-12	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-14	0.0052	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-18	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-19	0.005	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-2	0.005	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-3	0.005	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-6	0.007	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-7	0.0053	n/a	8/11/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-8A	0.005	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-9	0.0065	n/a	8/12/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-15	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-16	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-17	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-19	0.001	n/a	8/11/2021	0.001ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-2	0.001	n/a	8/12/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-4	0.001	n/a	8/12/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-5	0.001	n/a	8/12/2021	0.00037J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.0002J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-7	0.001	n/a	8/11/2021	0.00043J	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-8A	0.001	n/a	8/12/2021	0.00043J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.00016J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01241	n/a	8/11/2021	0.0082	No	24	0.007244	0.001978	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWA-17	0.009964	n/a	8/11/2021	0.0055	No	24	0.06396	0.01374	16.67	Kaplan-Meier	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-1	0.02568	n/a	8/18/2021	0.018	No	24	0.01527	0.003991	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-10	0.018	n/a	10/18/2021	0.013	No	24	0.01197	0.002311	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.01477	n/a	8/11/2021	0.011	No	24	0.01047	0.001648	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-12	0.0052	n/a	8/11/2021	0.001ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.0062	n/a	8/11/2021	0.0013	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.0062	n/a	8/11/2021	0.0012	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01191	n/a	8/11/2021	0.008	No	24	0.1875	0.01567	4.167	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.01075	n/a	8/11/2021	0.0076	No	24	0.007178	0.001371	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.02033	n/a	8/12/2021	0.016	No	24	0.01352	0.00261	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02389	n/a	8/11/2021	0.019	No	24	0.01733	0.002514	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01131	n/a	8/12/2021	0.0087	No	23	0.08012	0.009969	4.348	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01219	n/a	8/12/2021	0.007	No	24	0.007693	0.001725	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.006806	n/a	8/12/2021	0.0021	No	24	0.003039	0.001444	25	Kaplan-Meier	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01371	n/a	8/11/2021	0.0099	No	24	0.008936	0.001829	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01729	n/a	8/11/2021	0.013	No	24	0.0001713	0.0000489	4.167	None	x^2	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04443	n/a	8/12/2021	0.001ND	No	21	0.01412	0.01131	9.524	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02794	n/a	8/12/2021	0.02	No	24	0.01653	0.004374	4.167	None	No	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.006	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0084	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	8/18/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	10/18/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.018	n/a	8/11/2021	0.005ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

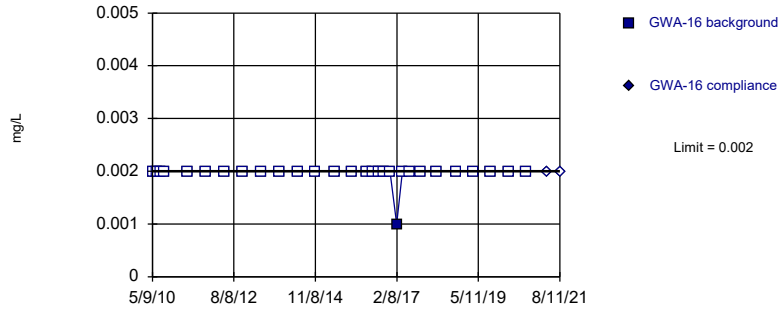
# Appendix I Intrawell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Zinc (mg/L)	GWC-13	0.0085	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0077	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.0059	n/a	8/11/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	8/12/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.0065	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.0069	n/a	8/12/2021	0.0035J	No	21	n/a	n/a	95.24	n/a	n/a	0.003999 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.006	n/a	8/12/2021	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	8/12/2021	0.0034J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0062	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.0074	n/a	8/11/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.085	n/a	8/12/2021	0.005ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999 NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	8/12/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124 NP Intra (NDs) 1 of 2

Within Limit

### Prediction Limit Intrawell Non-parametric

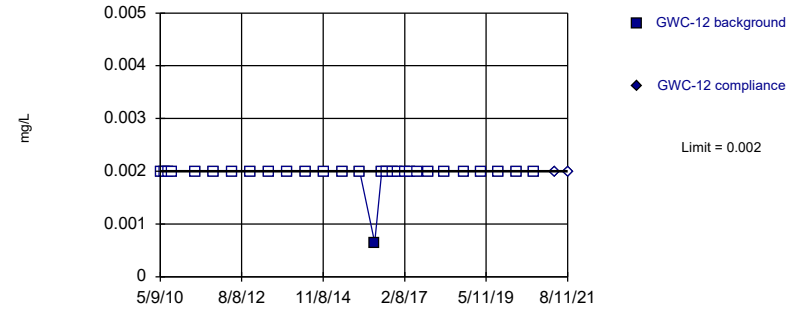


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 12/2/2021 12:50 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

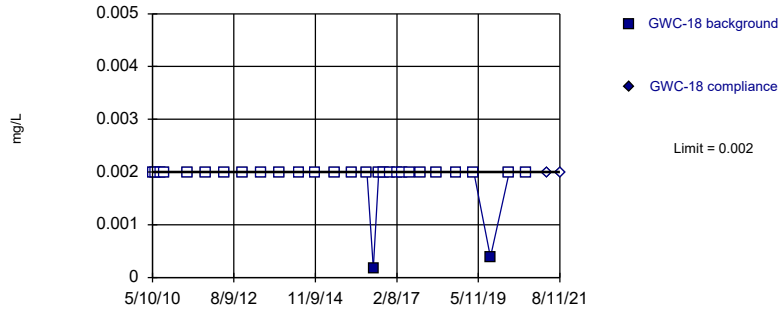


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 12/2/2021 12:50 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

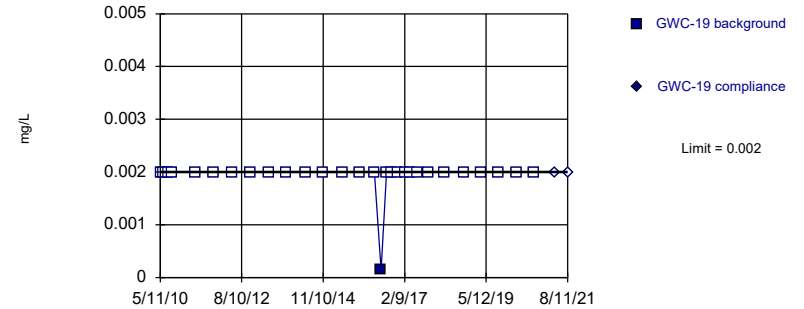


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 12/2/2021 12:50 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

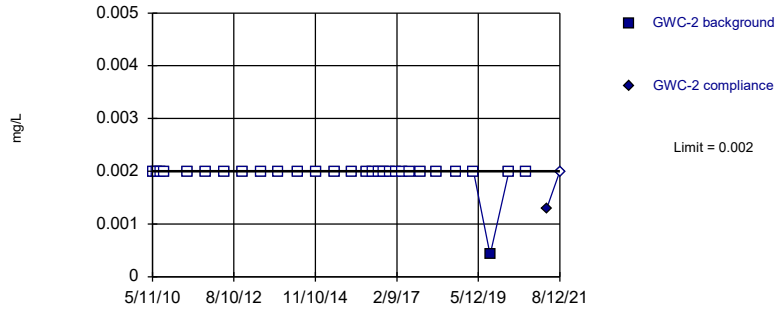


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 12/2/2021 12:50 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

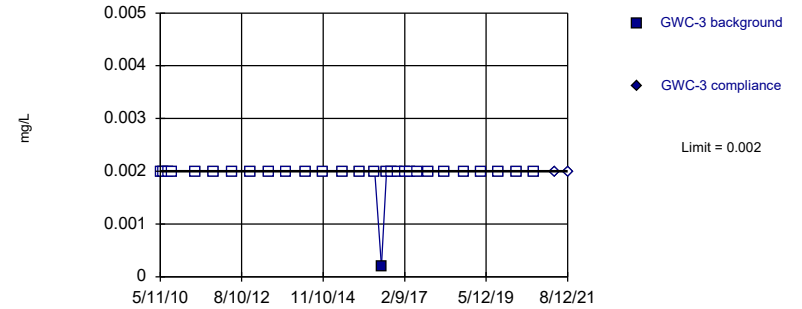


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

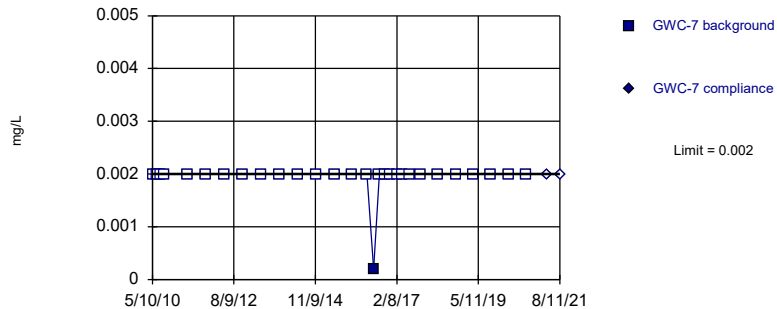


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

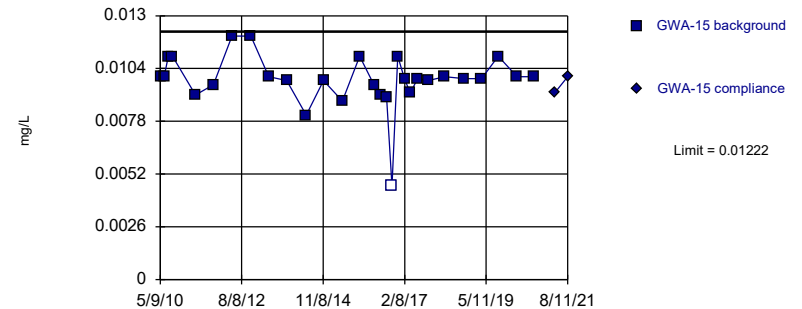


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



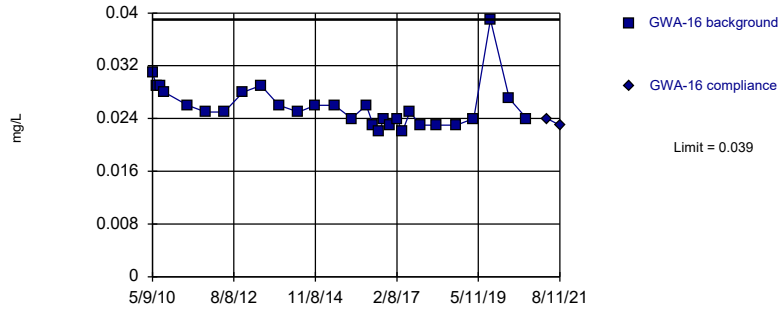
Background Data Summary (based on cube transformation): Mean=1.0e-6, Std. Dev.=3.3e-7, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9129, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

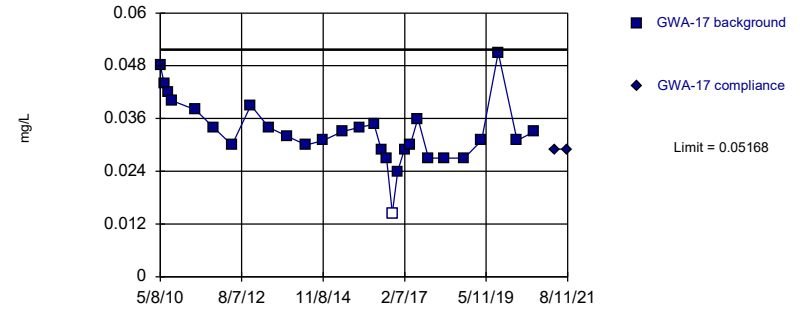


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

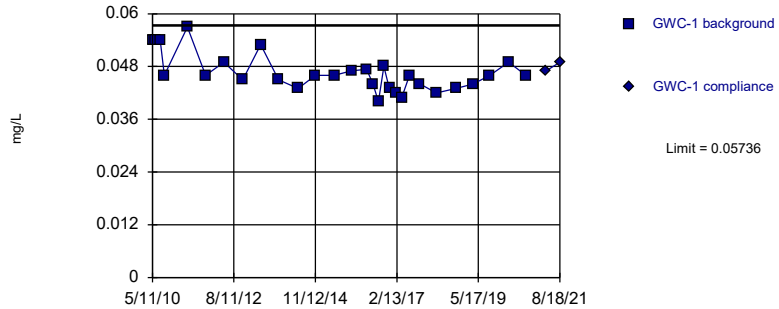


Background Data Summary: Mean=0.03311, Std. Dev.=0.007355, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

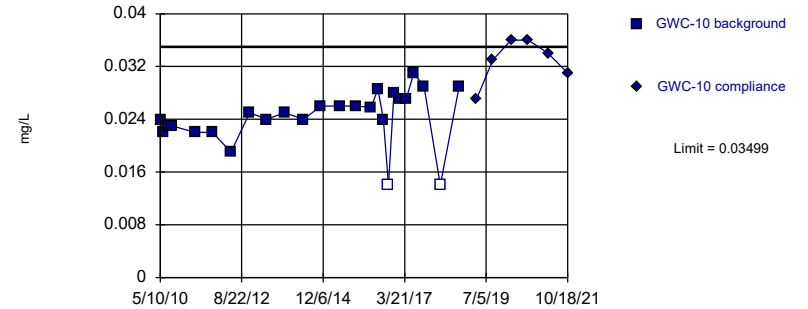


Background Data Summary: Mean=0.04657, Std. Dev.=0.004275, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9101, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

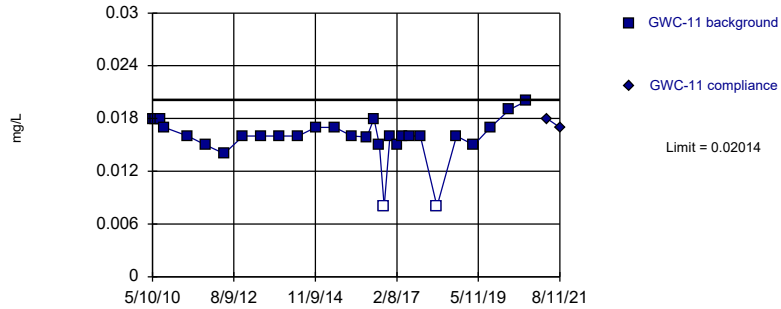


Background Data Summary: Mean=0.02434, Std. Dev.=0.004121, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9043, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

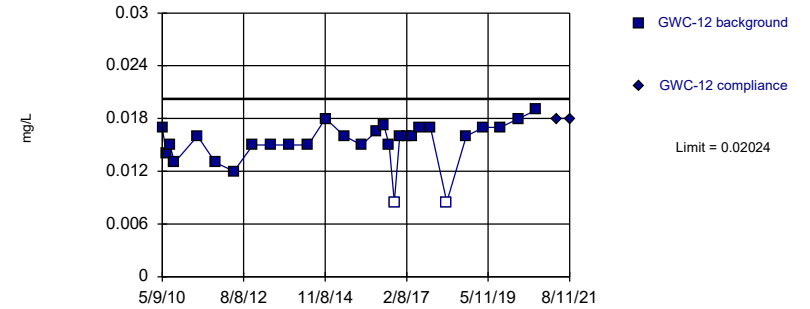


Background Data Summary (based on cube transformation): Mean=0.000004282, Std. Dev.=0.000001538, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9008, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

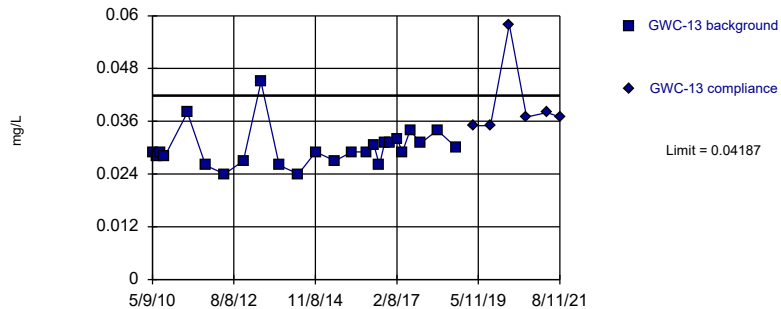


Background Data Summary (based on square transformation): Mean=0.0002401, Std. Dev.=0.00006713, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9197, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

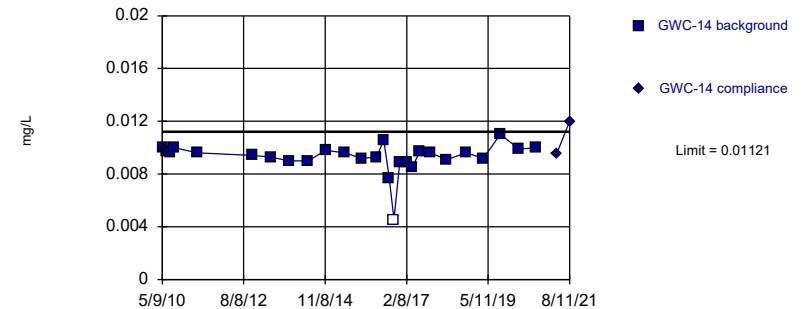


Background Data Summary (based on cube root transformation): Mean=0.3096, Std. Dev.=0.01457, n=25, Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8937, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

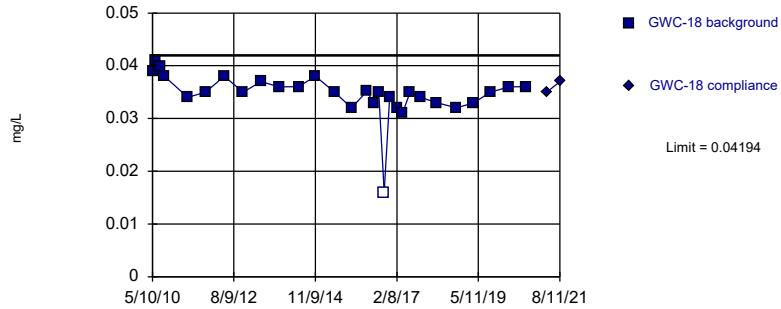


Background Data Summary (based on cube transformation): Mean=8.3e-7, Std. Dev.=2.3e-7, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9, critical = 0.894. Kappa = 2.555 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

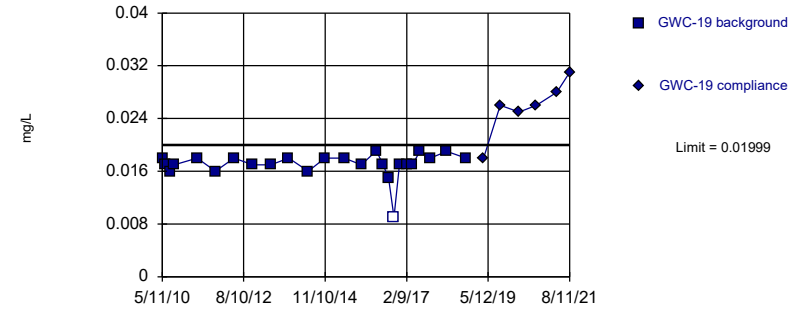


Background Data Summary (based on cube transformation): Mean=0.0000432, Std. Dev.=0.00001211, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9278, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

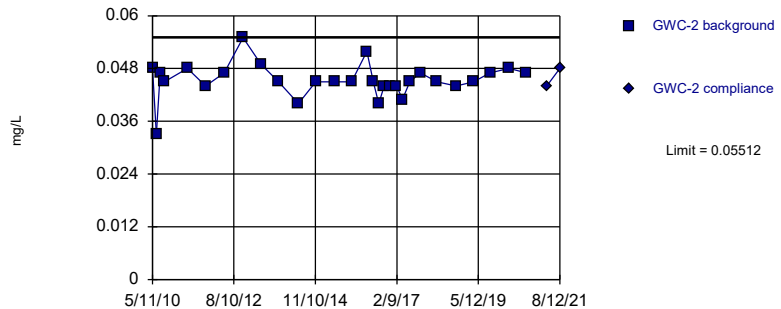


Background Data Summary (based on x^4 transformation): Mean=9.0e-8, Std. Dev.=2.7e-8, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8905, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

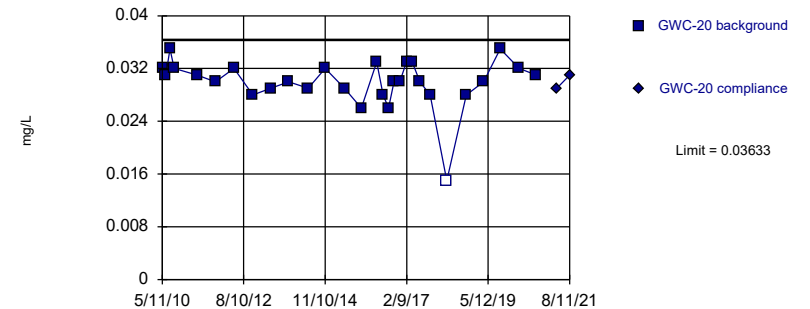


Background Data Summary: Mean=0.04531, Std. Dev.=0.003886, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8982, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

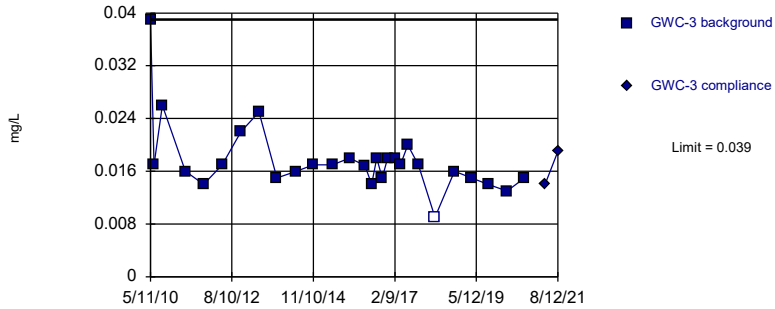


Background Data Summary (based on cube transformation): Mean=0.00002787, Std. Dev.=0.00000795, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.943, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

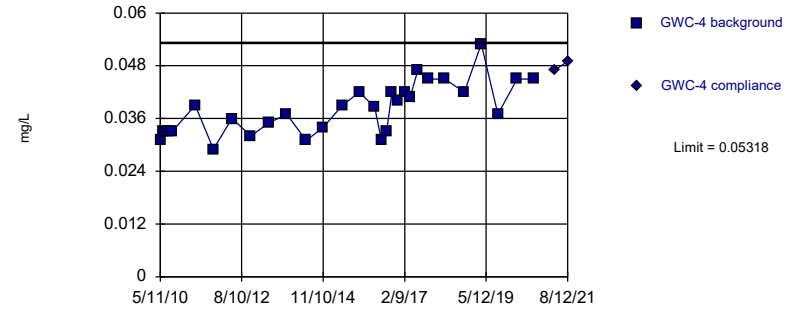


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

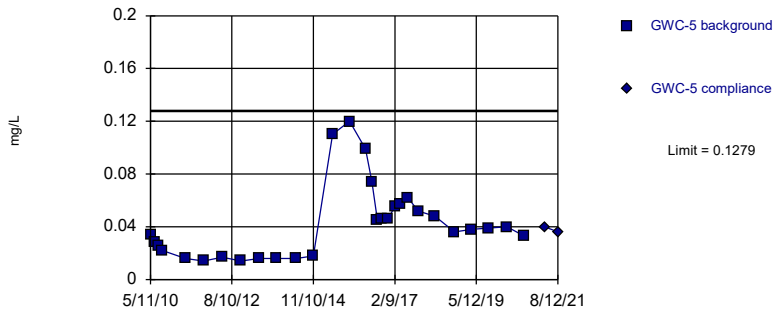


Background Data Summary: Mean=0.0383, Std. Dev.=0.005897, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9543, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

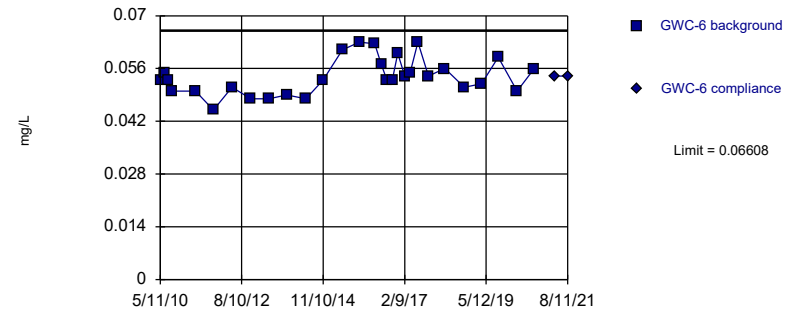


Background Data Summary (based on square root transformation): Mean=0.1968, Std. Dev.=0.06373, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9165, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

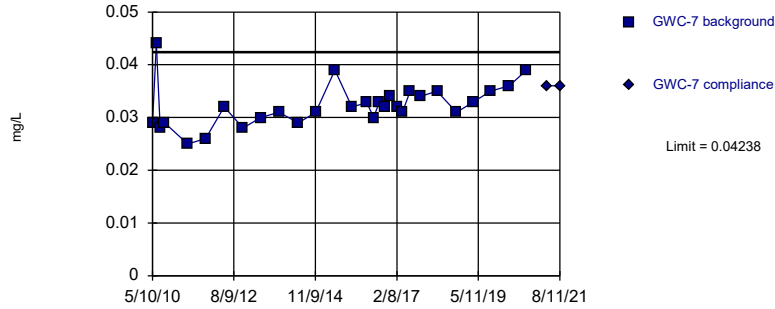
Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=0.05388, Std. Dev.=0.004831, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

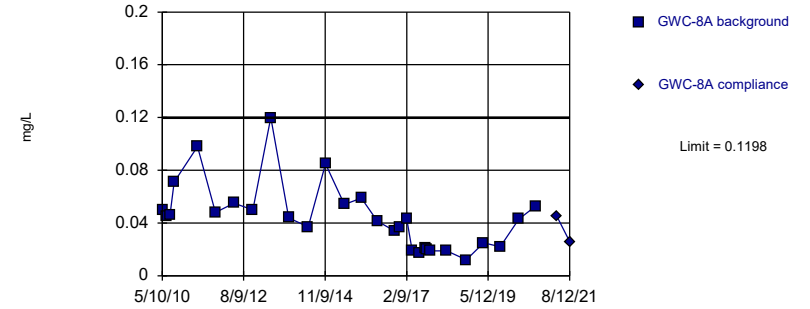
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.03227, Std. Dev.=0.004007, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

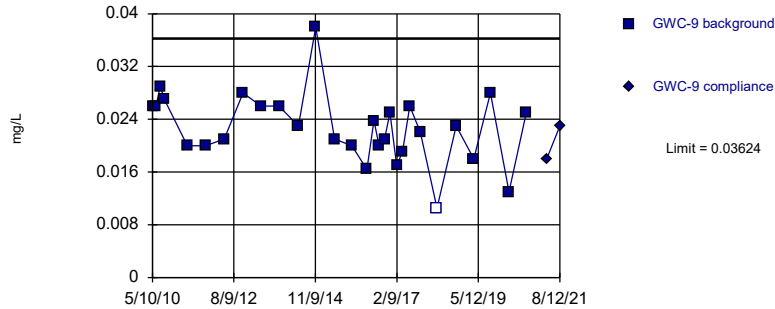
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2032, Std. Dev.=0.05658, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

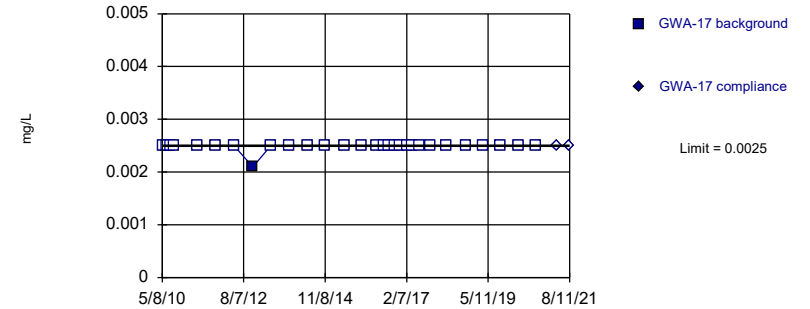
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.02271, Std. Dev.=0.005359, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.963, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit Prediction Limit  
Intrawell Non-parametric

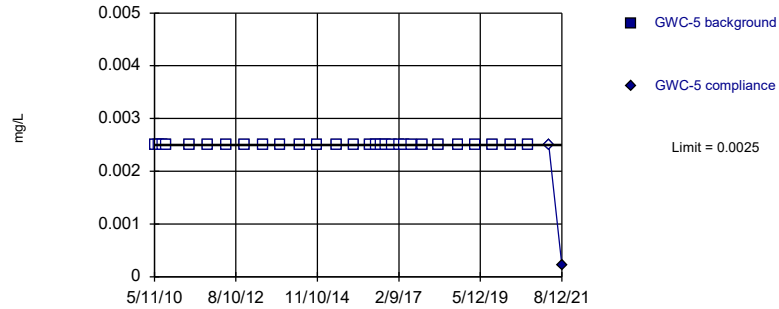


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

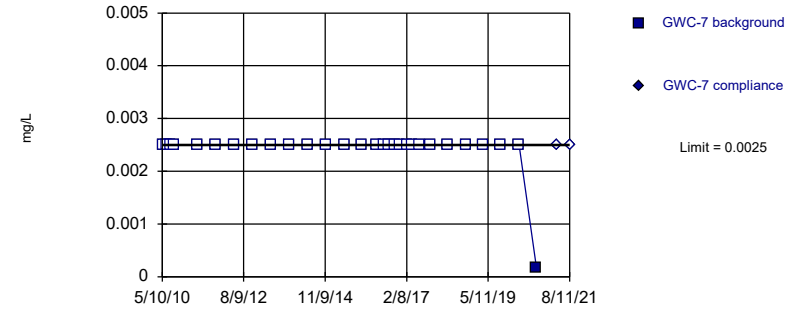


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

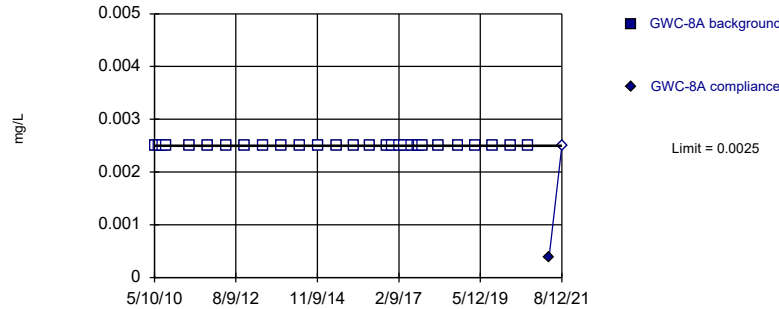


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

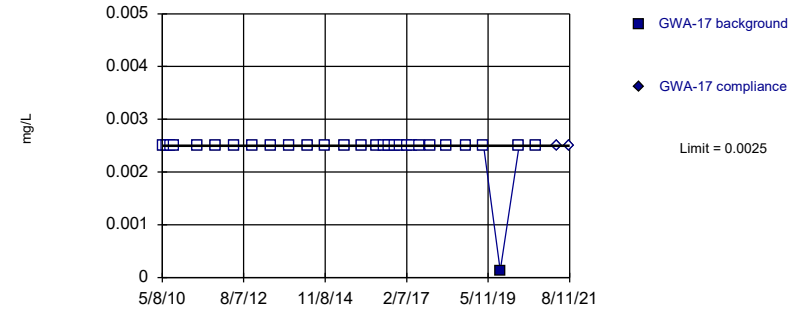


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

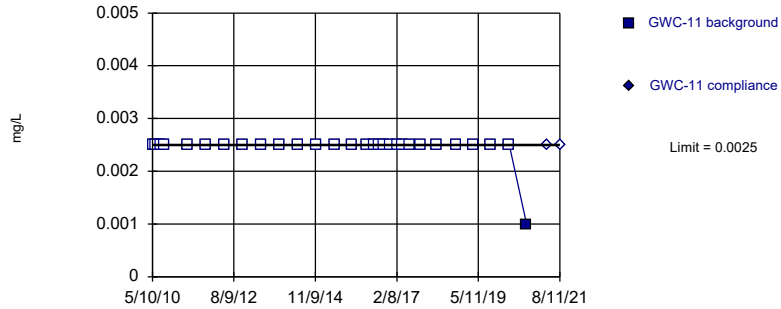


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

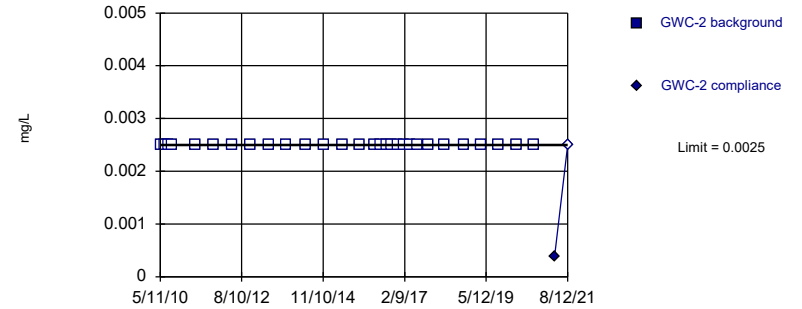


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

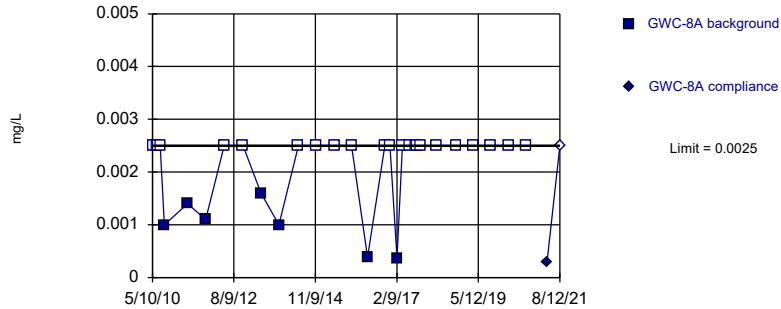


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

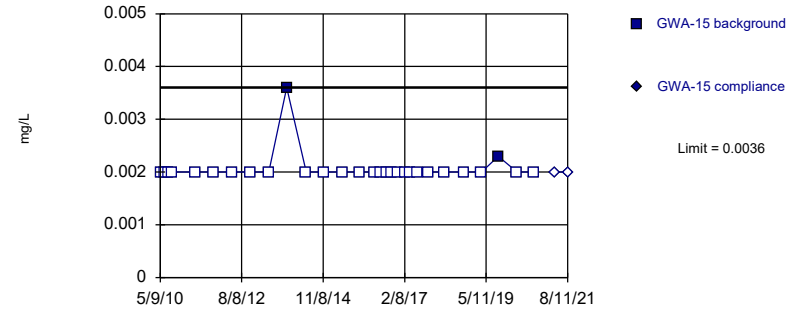


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 75.86% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

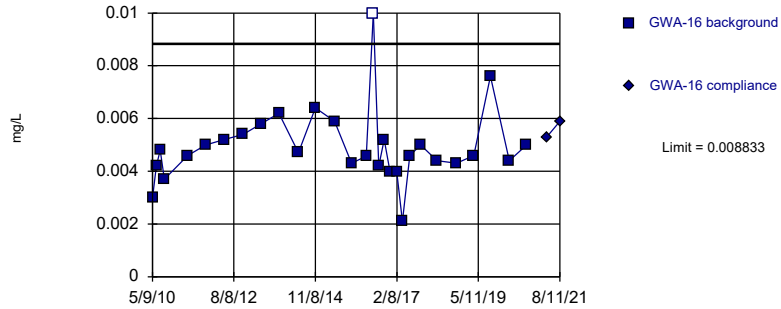


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

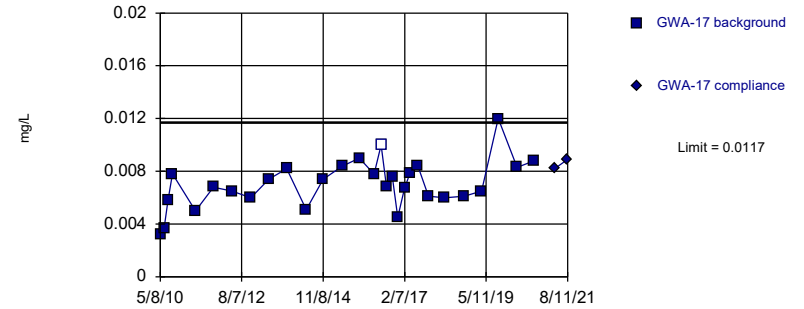


Background Data Summary (based on square root transformation): Mean=0.06962, Std. Dev.=0.009652, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

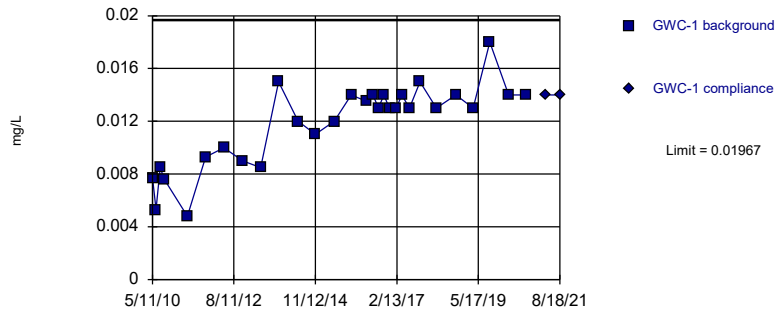


Background Data Summary: Mean=0.007027, Std. Dev.=0.001851, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9797, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

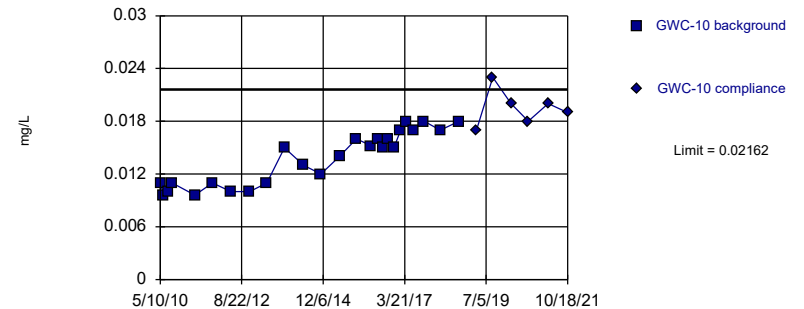


Background Data Summary: Mean=0.01183, Std. Dev.=0.003104, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9149, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



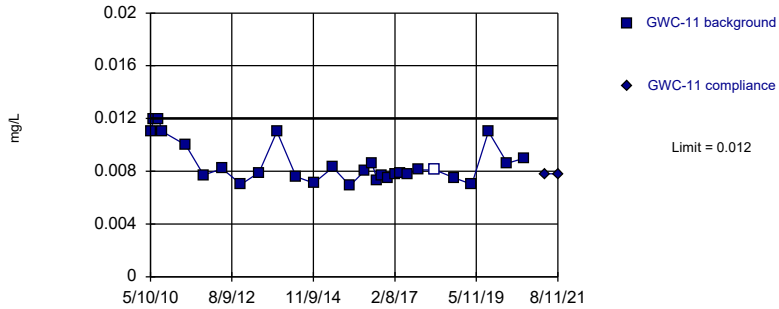
Background Data Summary: Mean=0.01381, Std. Dev.=0.003022, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8903, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

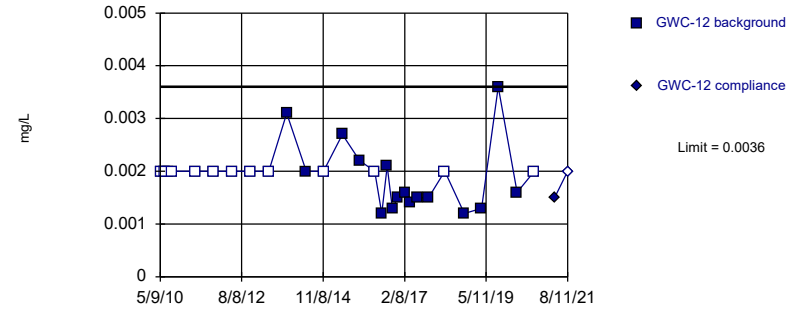


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 3.448% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

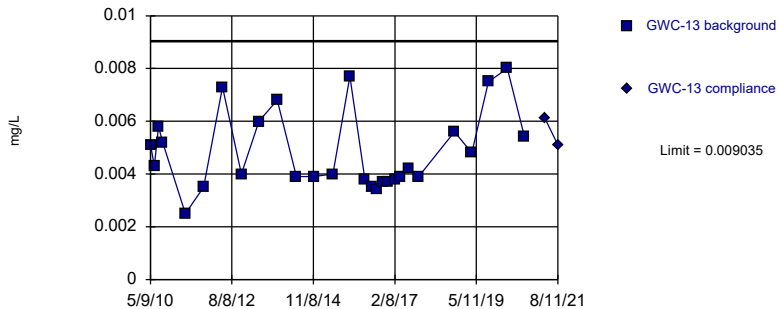


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 41.38% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

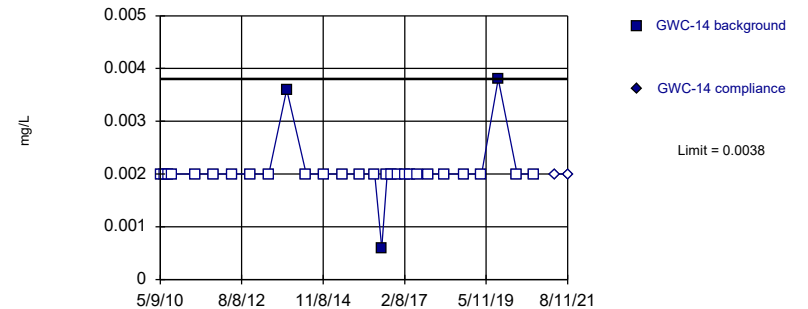


Background Data Summary (based on square root transformation): Mean=0.06874, Std. Dev.=0.01036, n=28.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9091, critical = 0.896. Kappa = 2.539 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

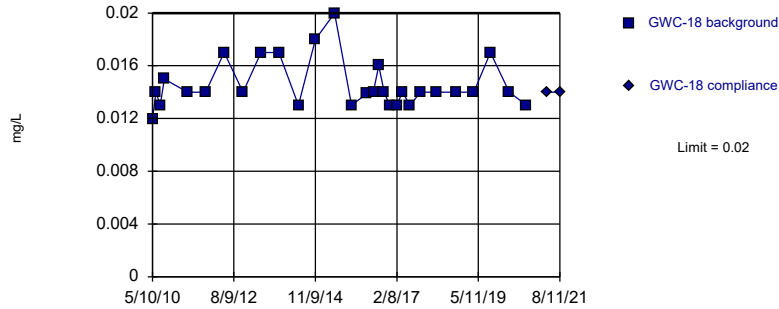


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

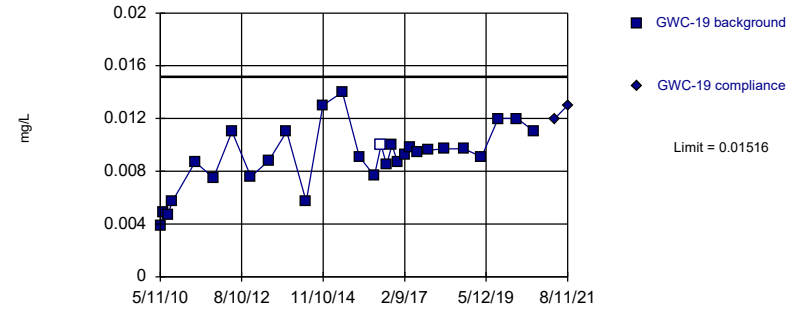


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

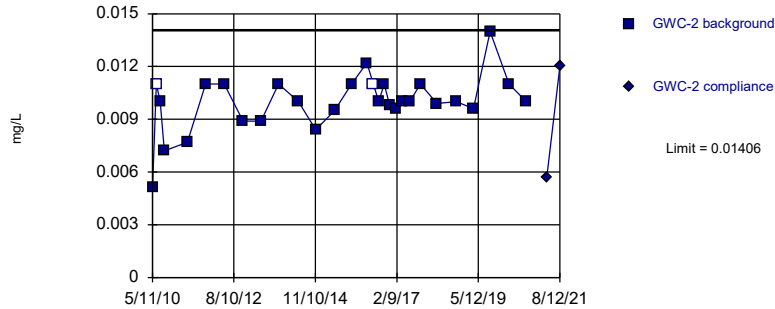


Background Data Summary: Mean=0.009037, Std. Dev.=0.002426, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9639, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

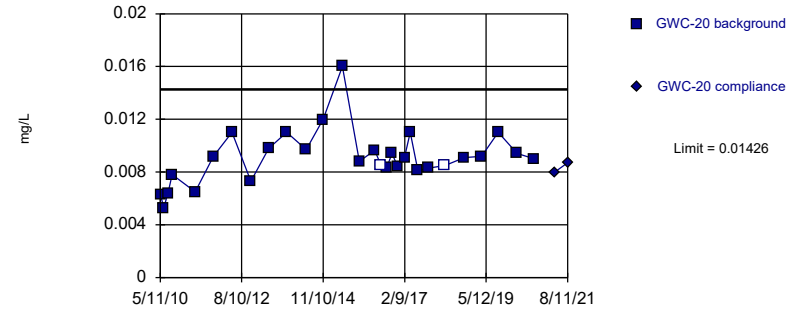


Background Data Summary: Mean=0.009993, Std. Dev.=0.00161, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9049, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

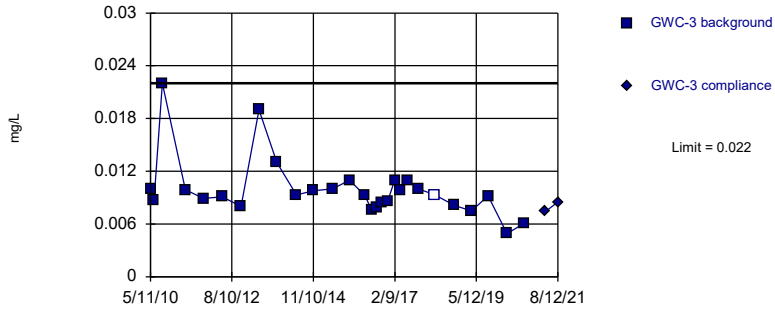


Background Data Summary: Mean=0.009105, Std. Dev.=0.002041, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

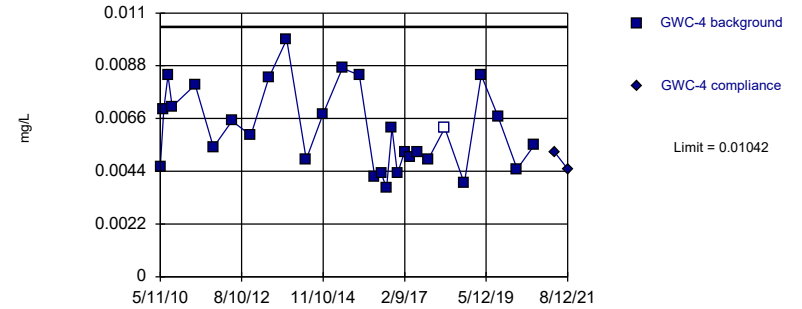


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

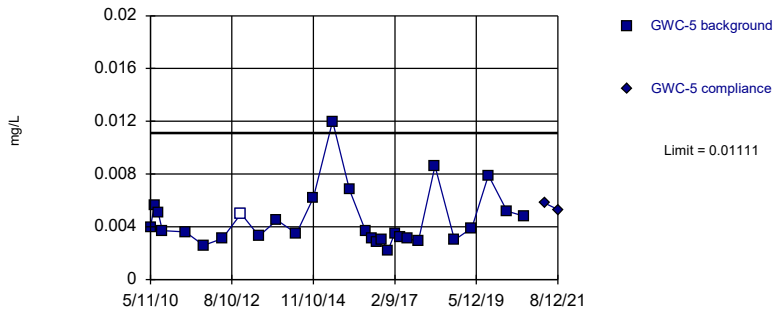


Background Data Summary: Mean=0.006141, Std. Dev.=0.001695, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

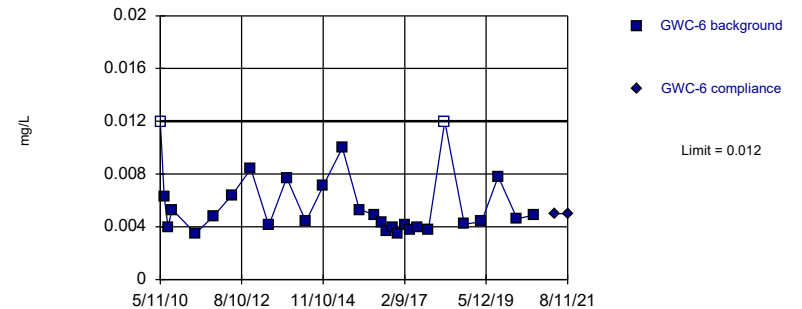


Background Data Summary (based on natural log transformation): Mean=-5.492, Std. Dev.=0.393, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9296, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

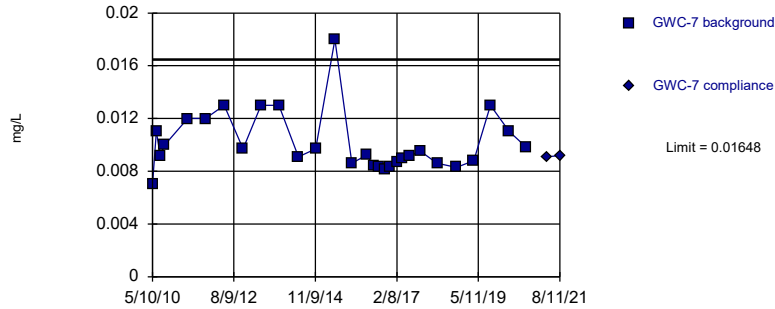


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 6.897% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

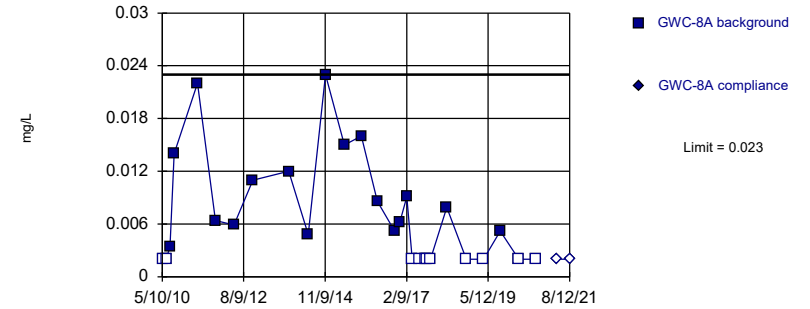


Background Data Summary (based on natural log transformation): Mean=-4.614, Std. Dev.=0.2014, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9093, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



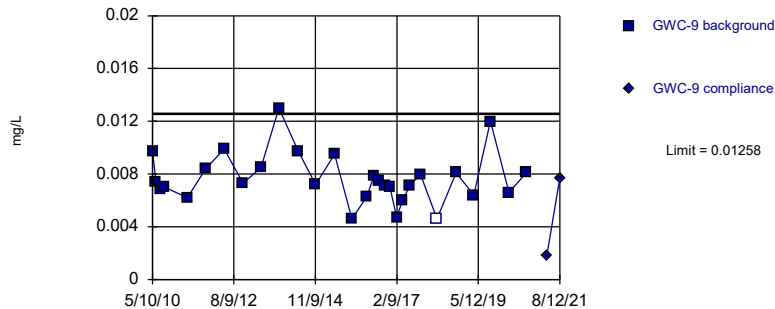
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 39.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



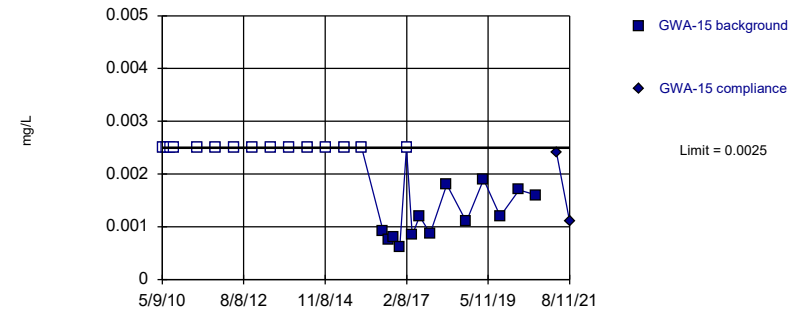
Background Data Summary: Mean=0.007675, Std. Dev.=0.001942, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

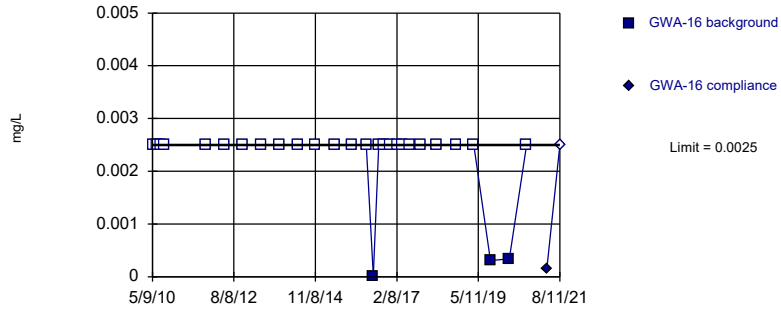


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 53.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

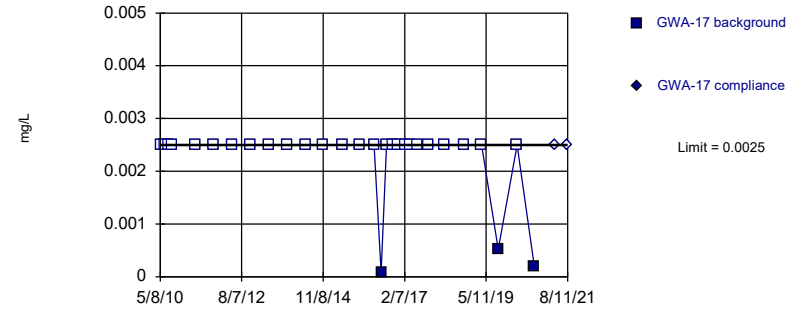


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

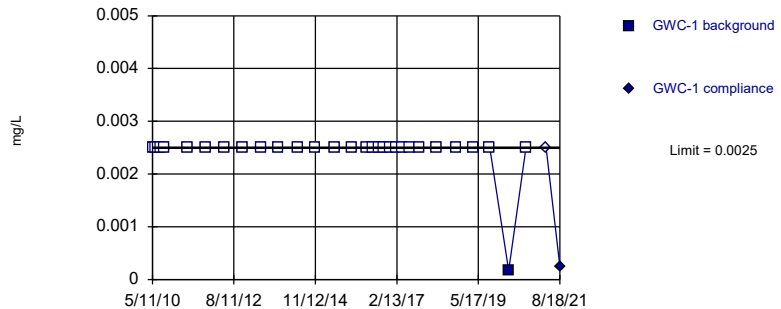


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

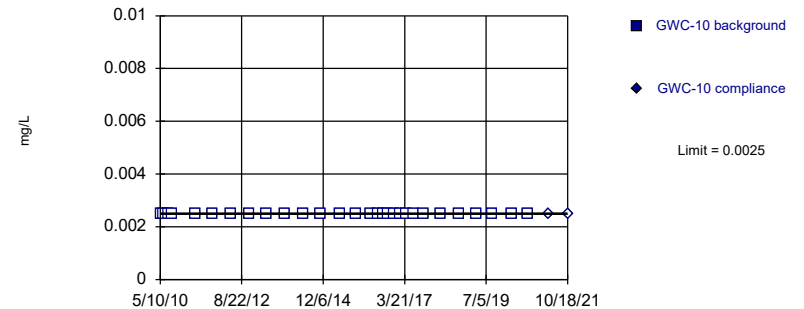


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

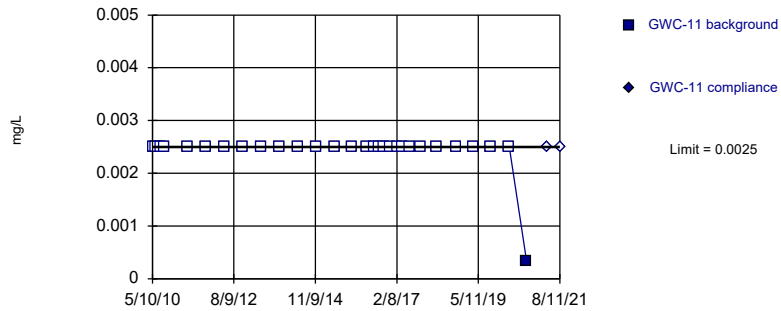


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

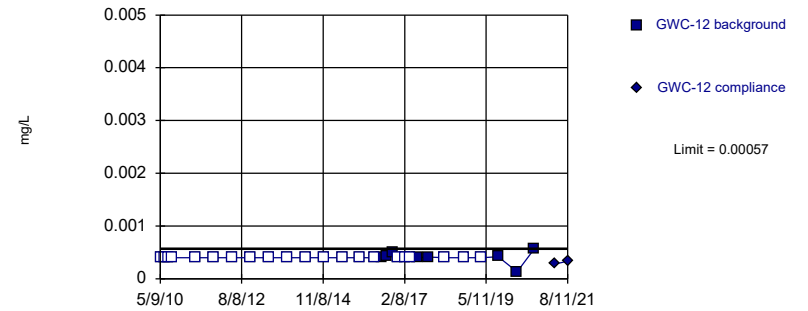


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

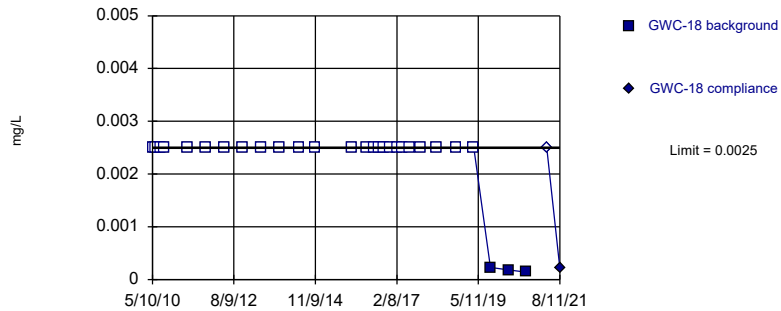


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 72.41% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

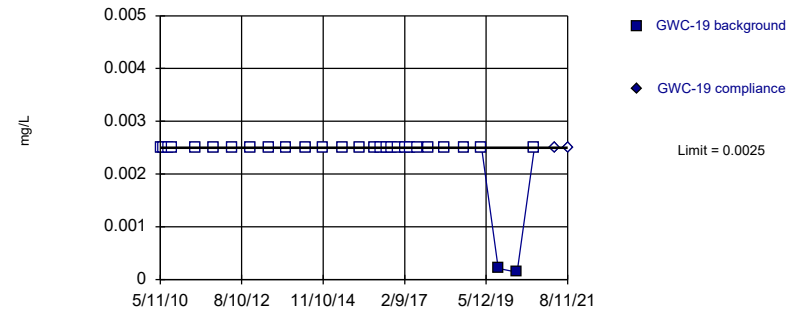


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:51 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

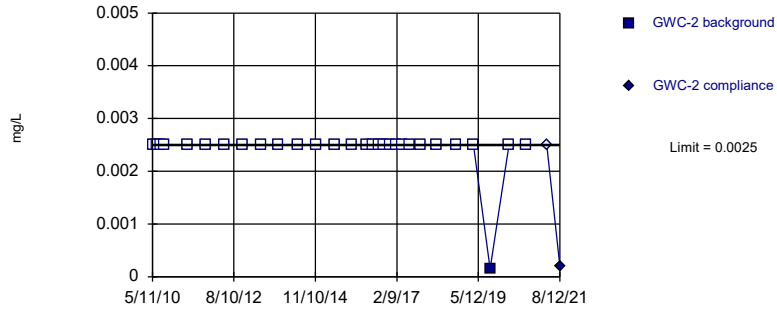


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

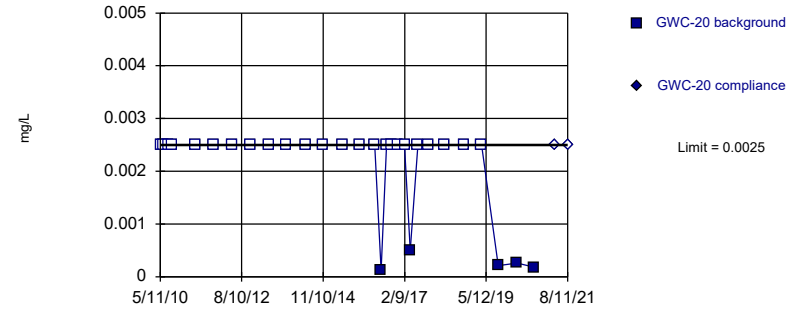


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

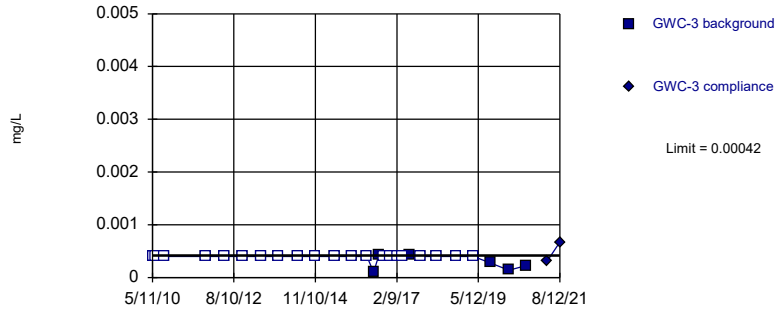


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

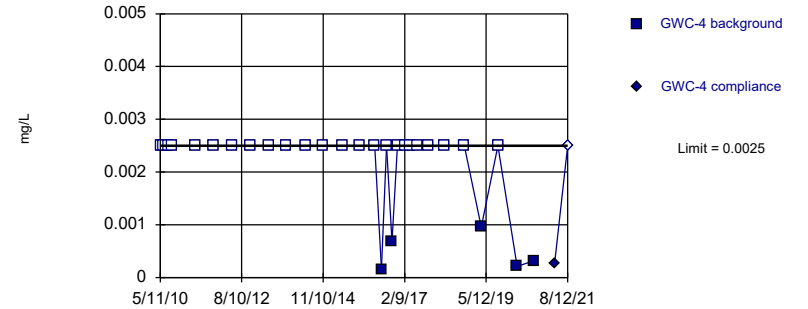


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

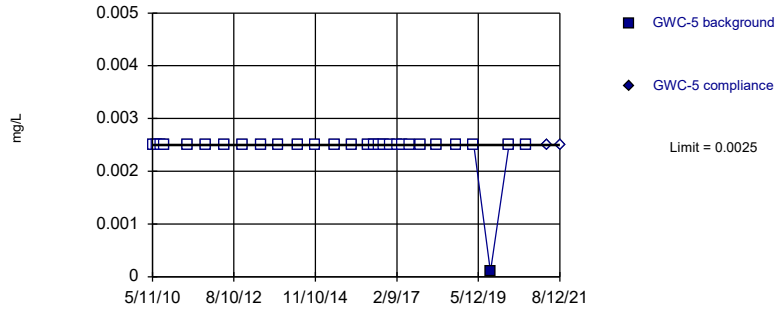


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

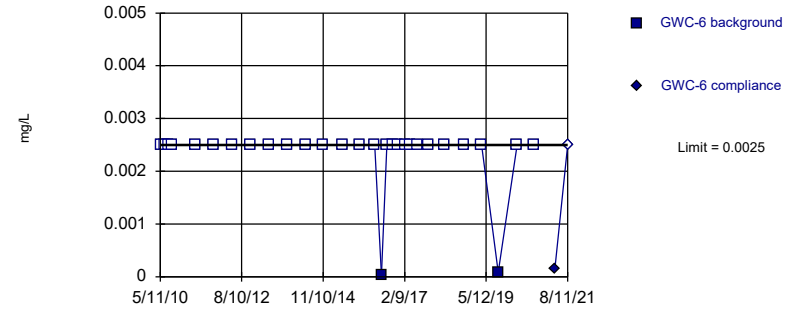


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

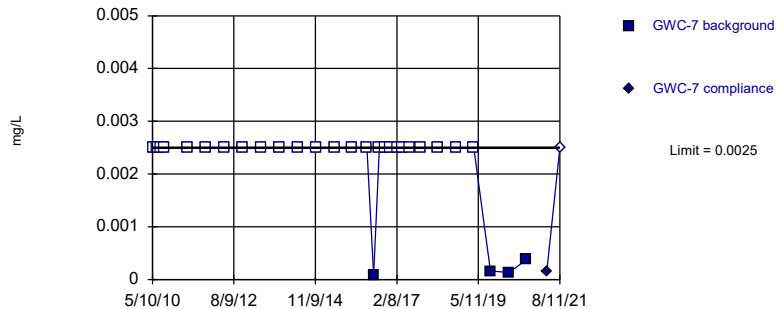


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

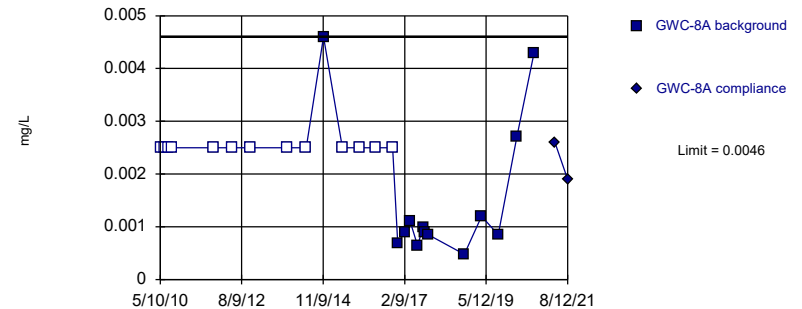


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



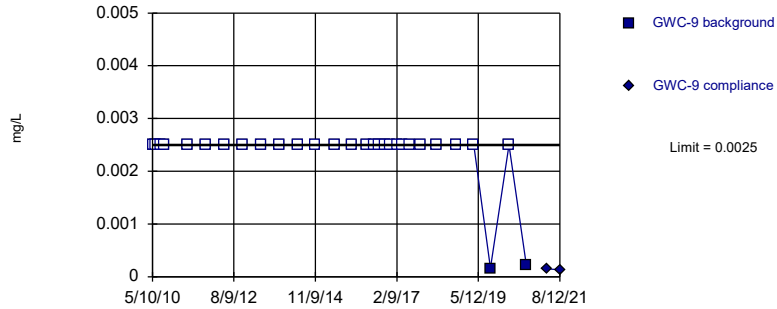
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limit

Prediction Limit  
 Intrawell Non-parametric

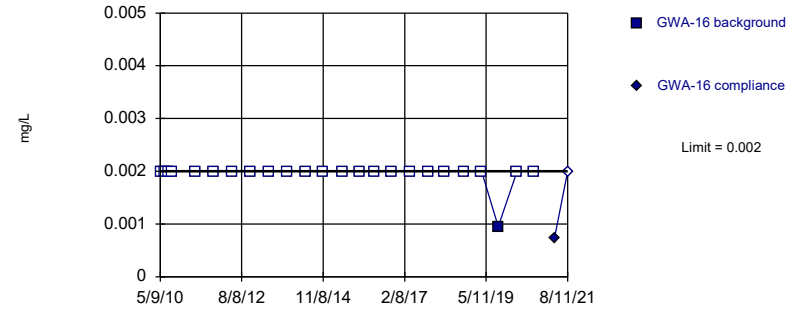


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

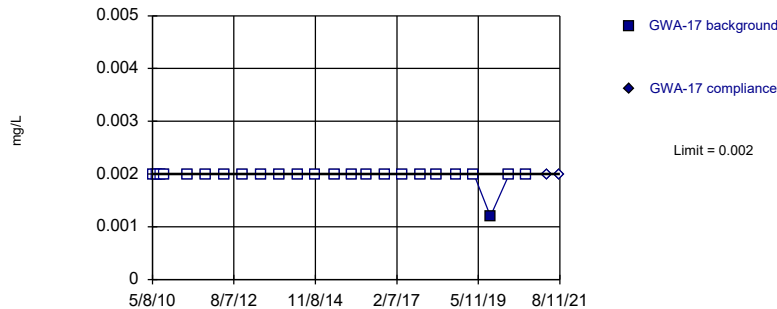


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

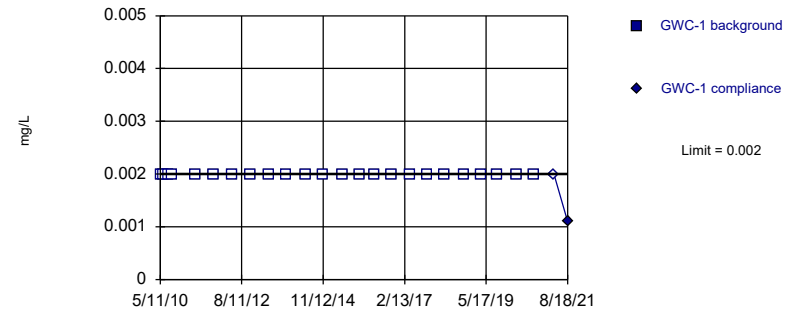


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

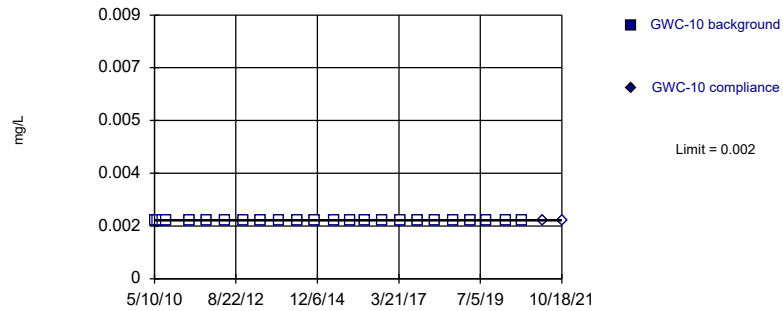
Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

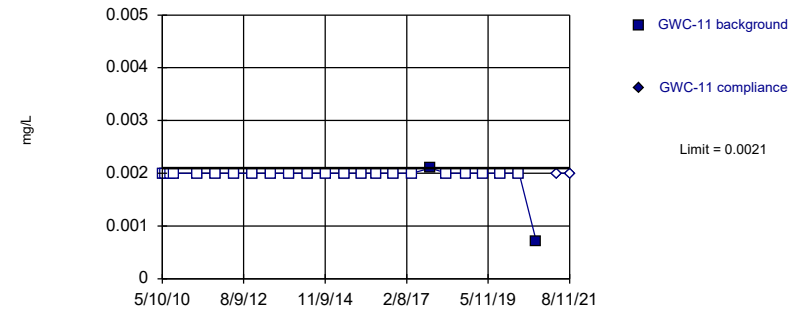
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

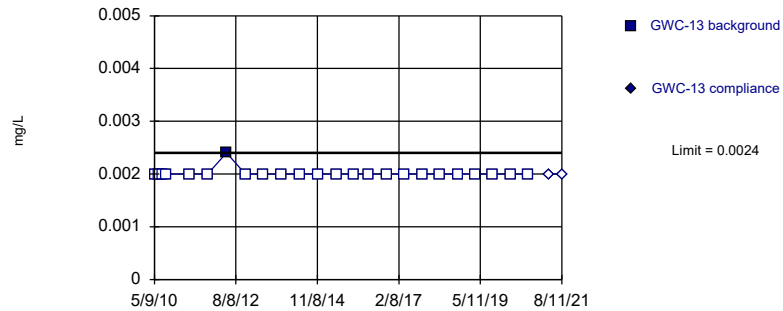
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

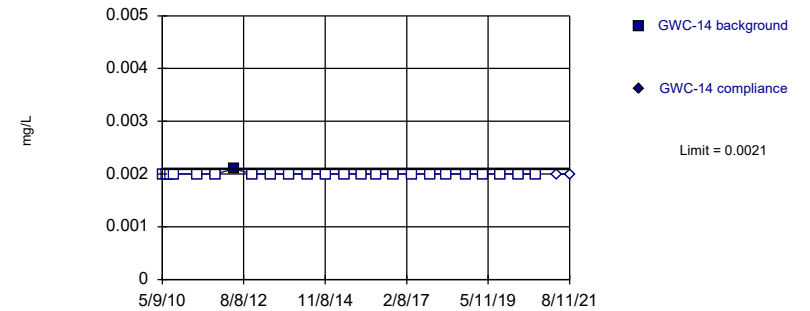
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit Prediction Limit  
Intrawell Non-parametric

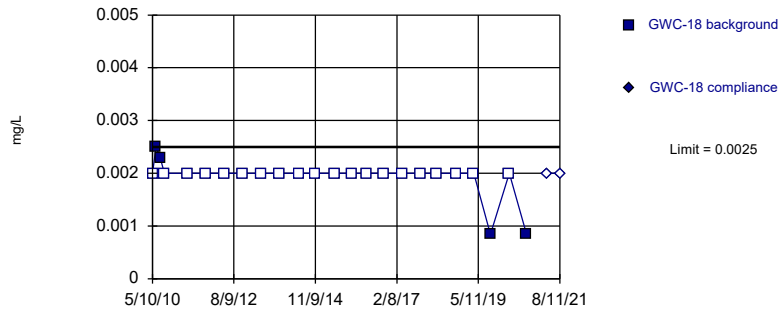


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

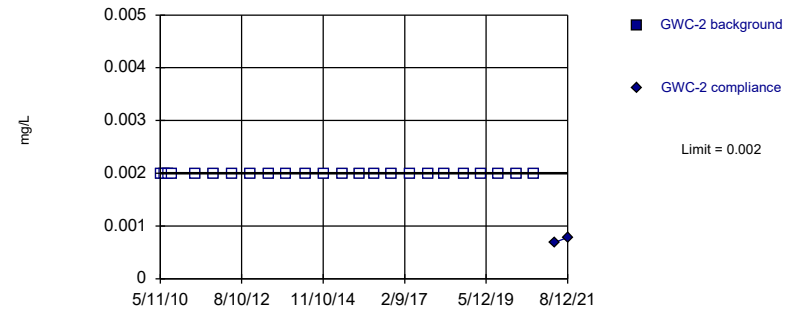


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

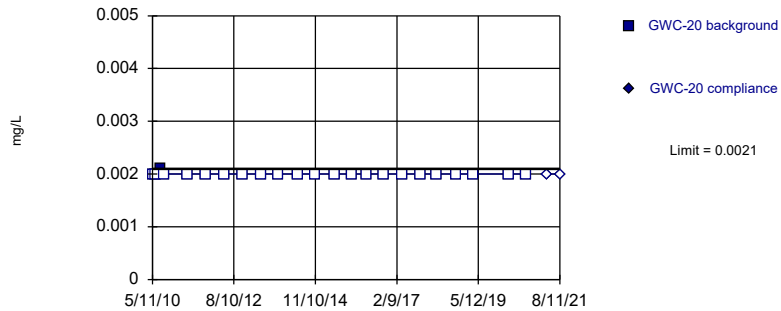


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

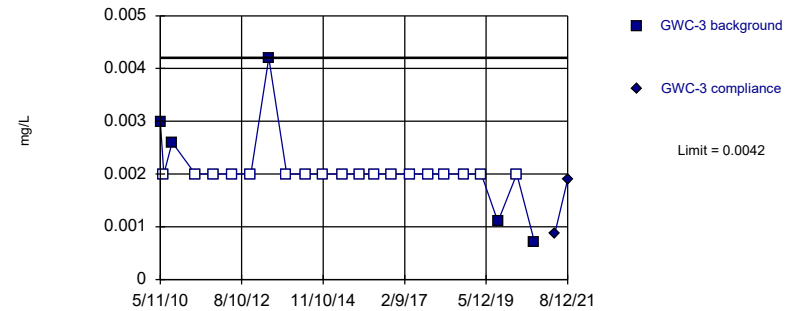


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

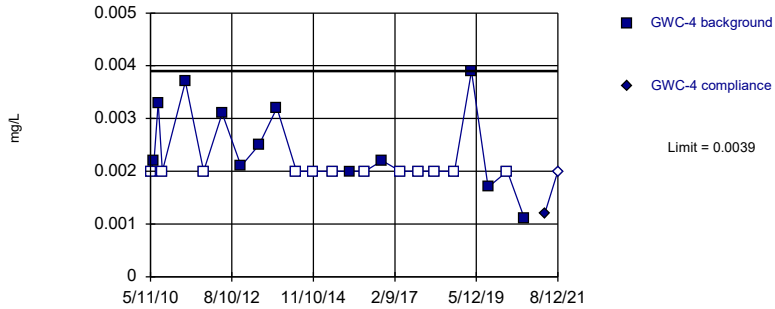


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

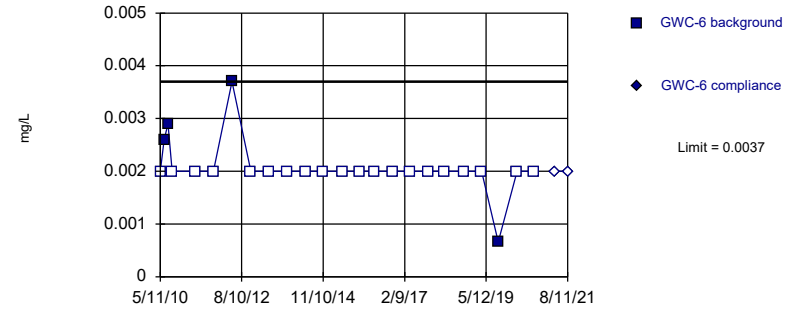


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 50% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

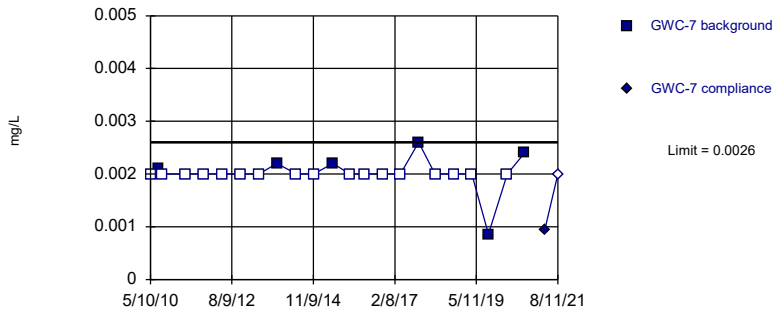


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

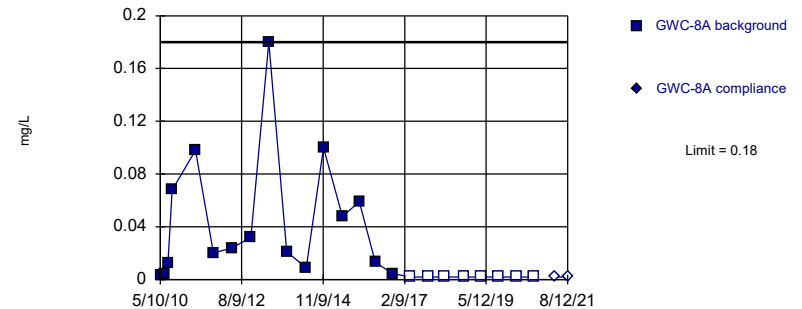


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

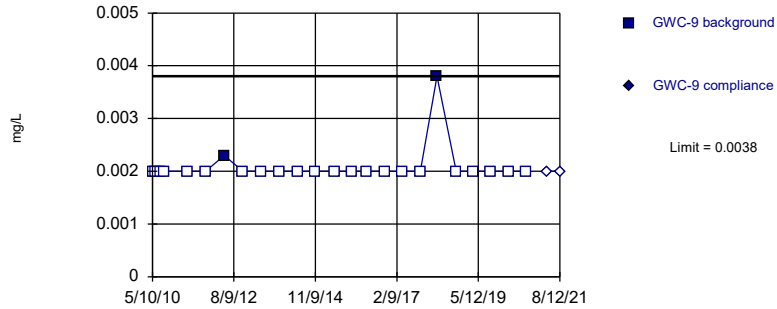


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

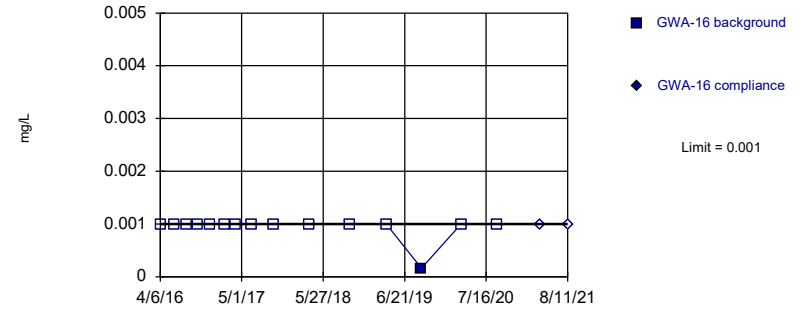


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

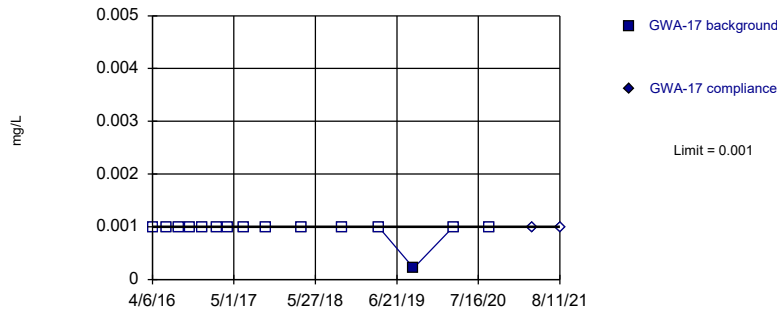


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

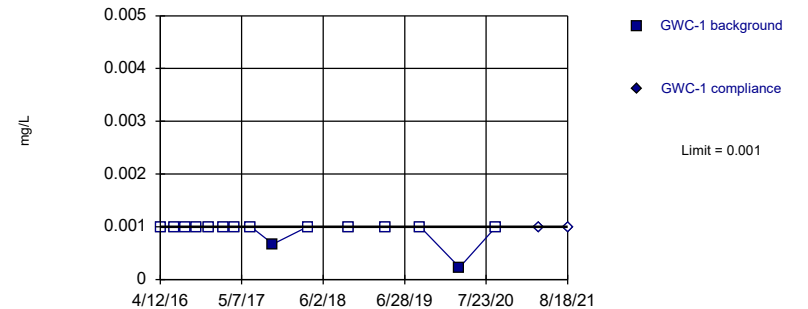


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

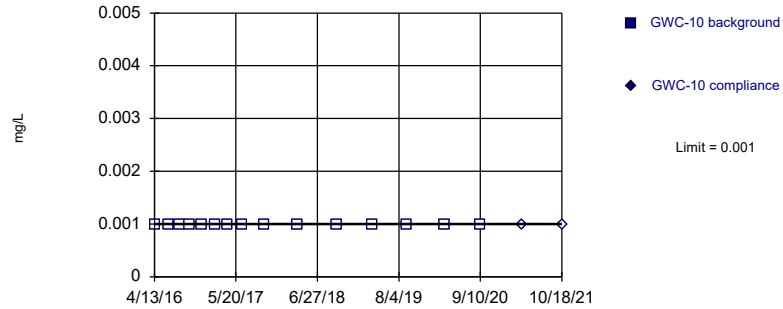


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

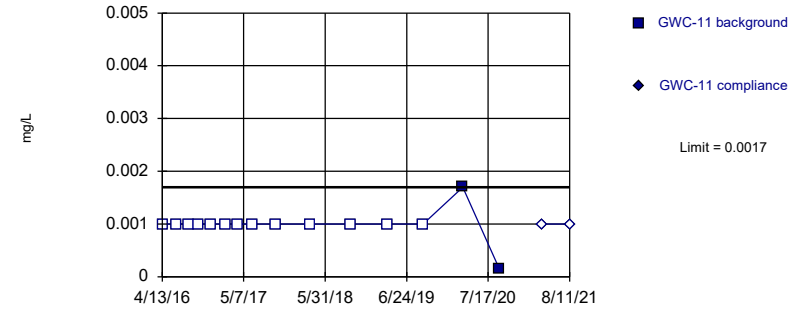


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

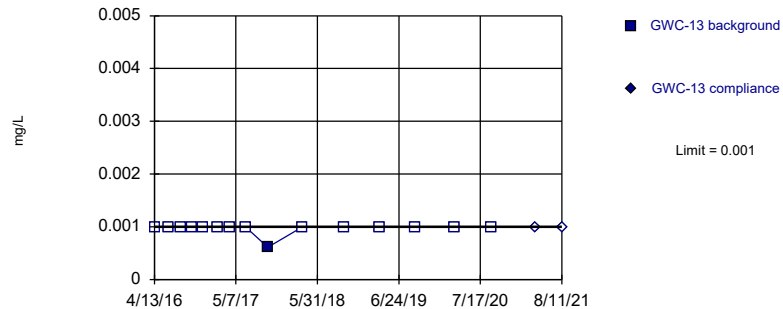


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

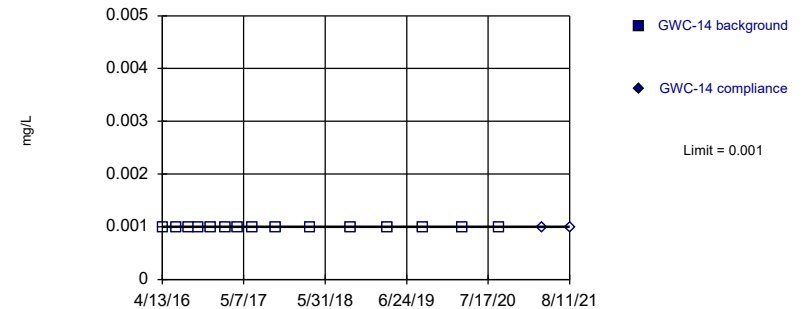


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

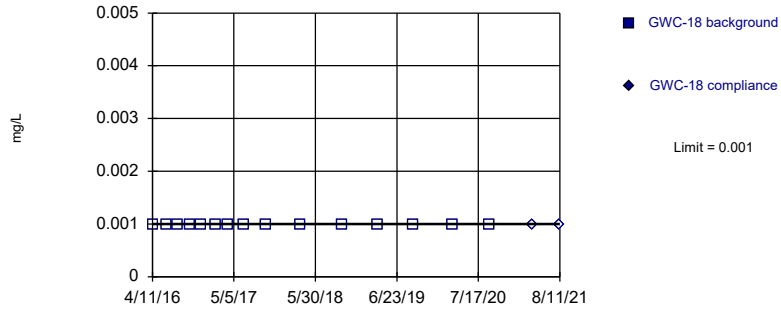


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

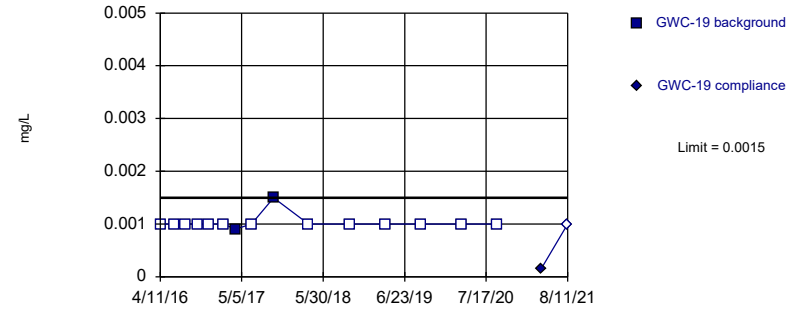


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

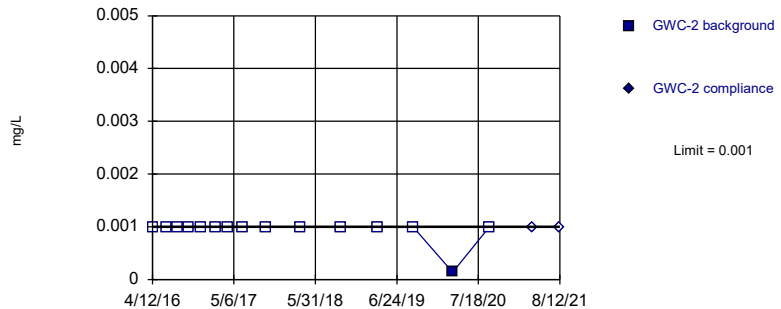


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

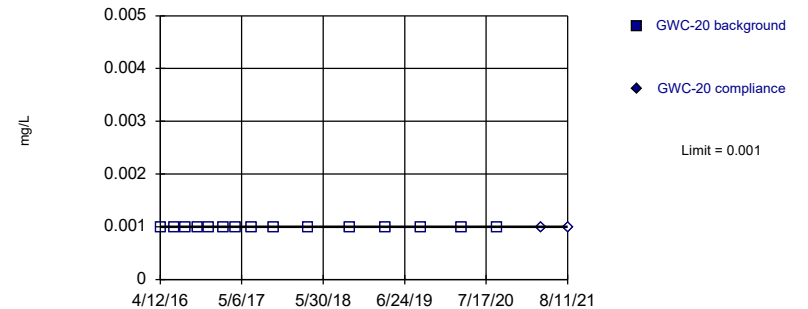


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

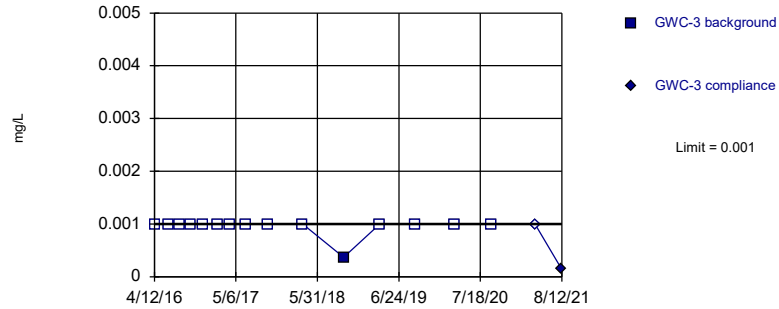


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

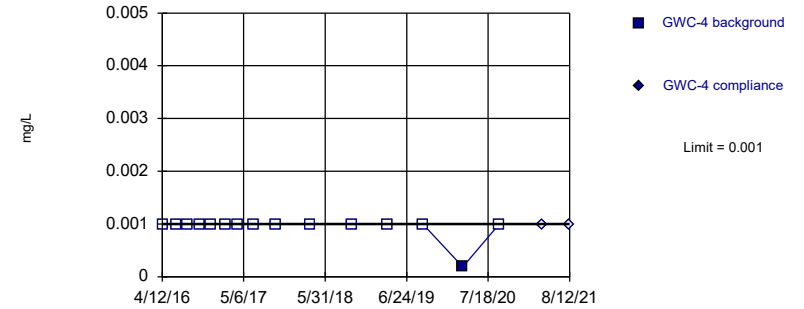


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

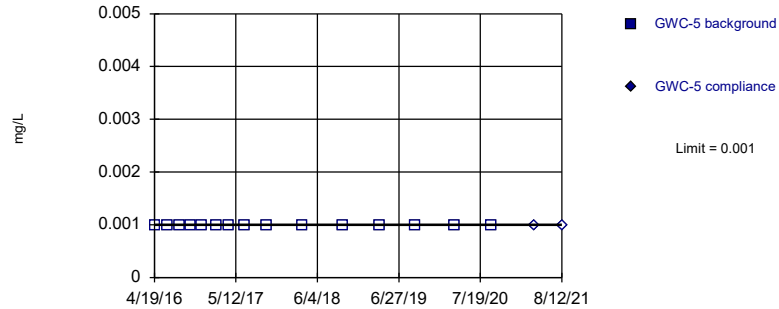


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

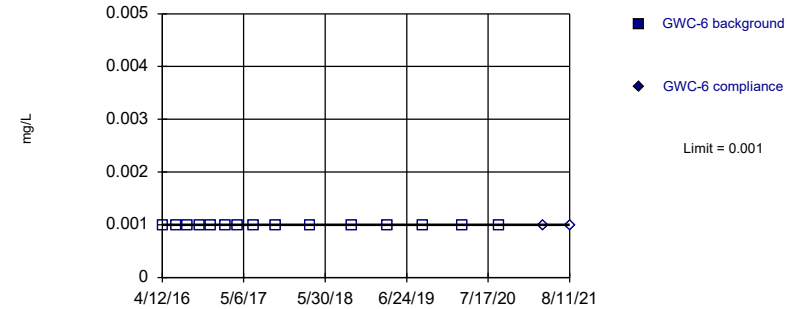


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



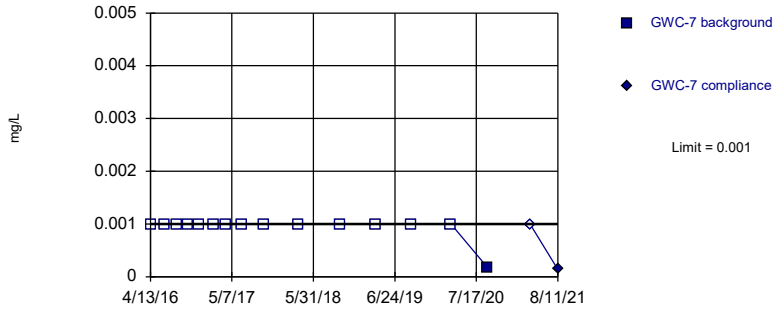
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limit

Prediction Limit  
 Intrawell Non-parametric

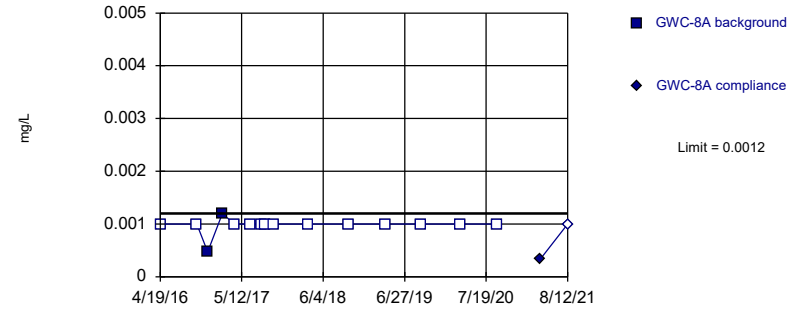


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

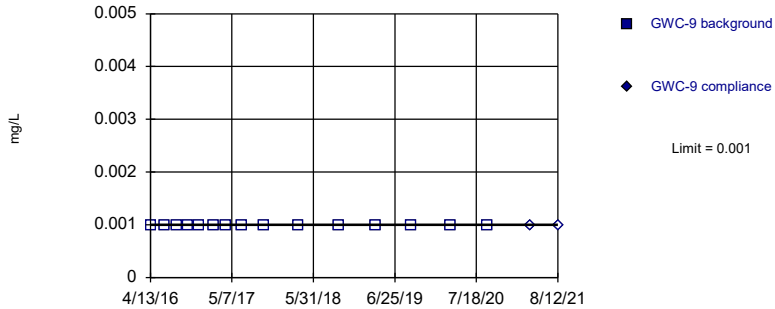


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

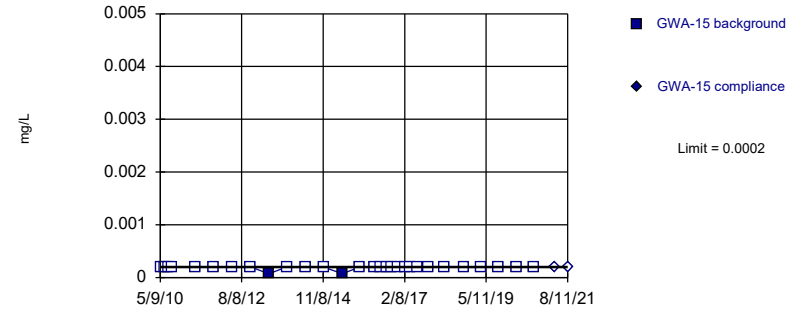


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

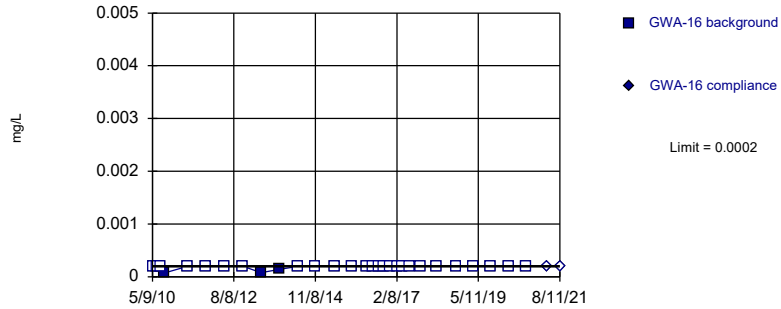


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

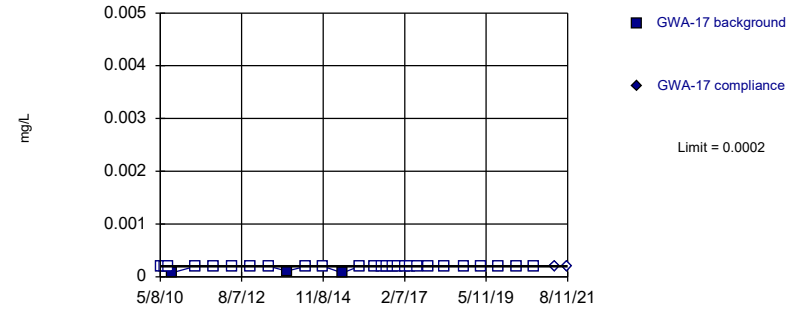


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

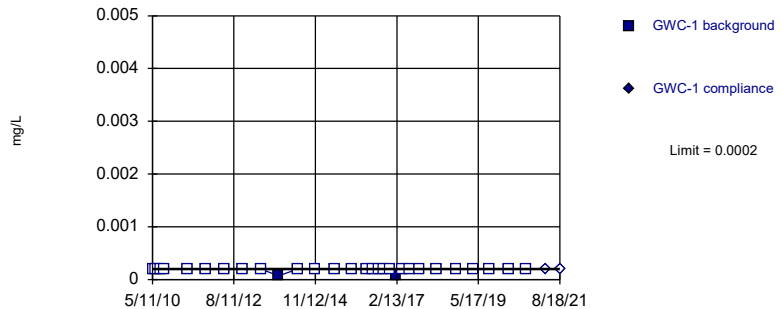


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

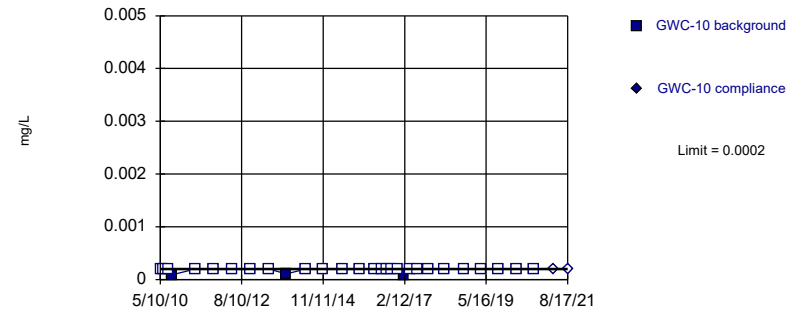


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

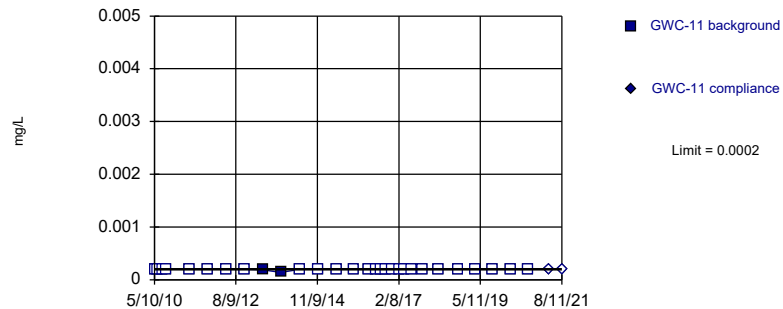


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

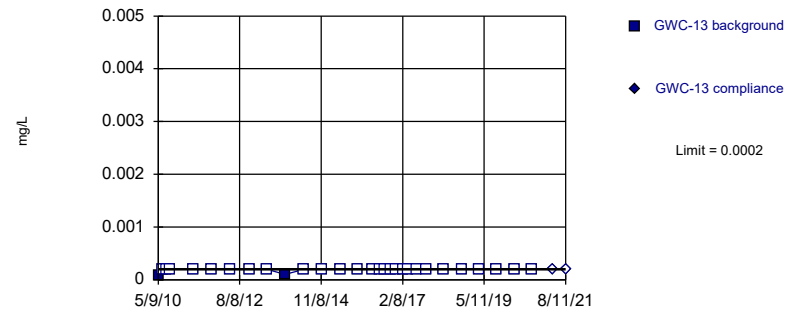


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

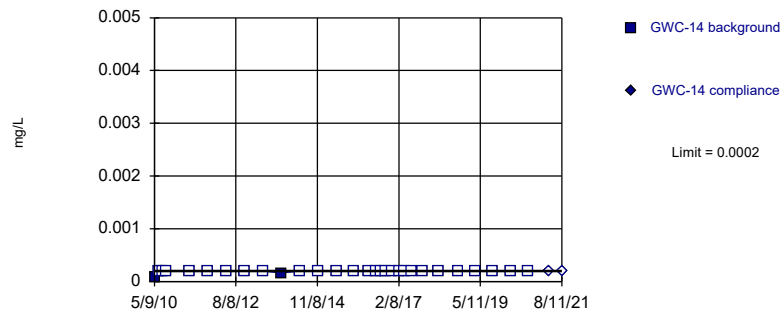


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

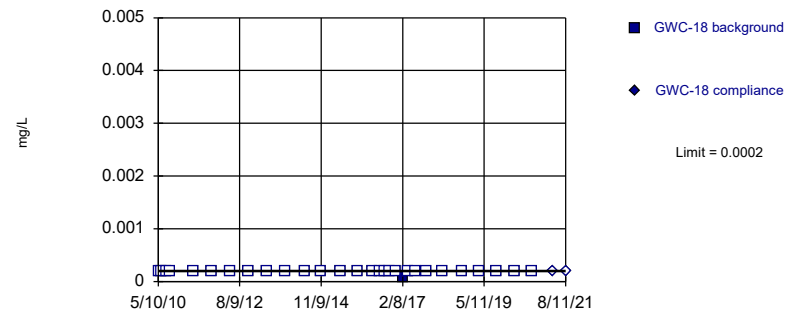


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

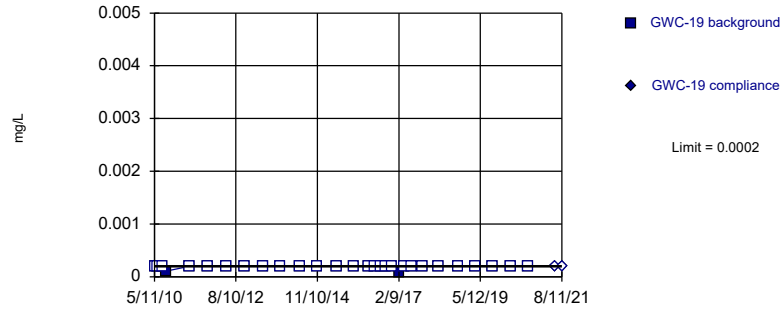


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

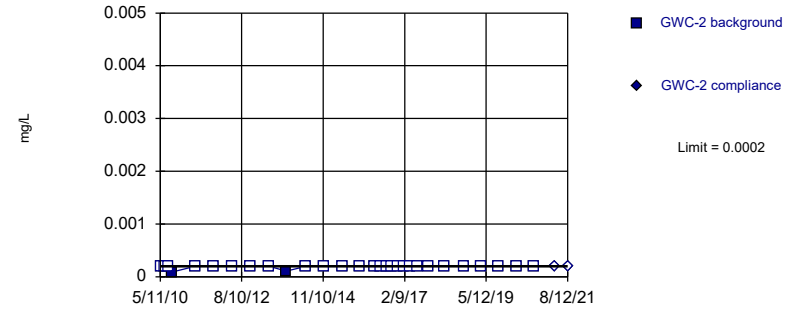


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

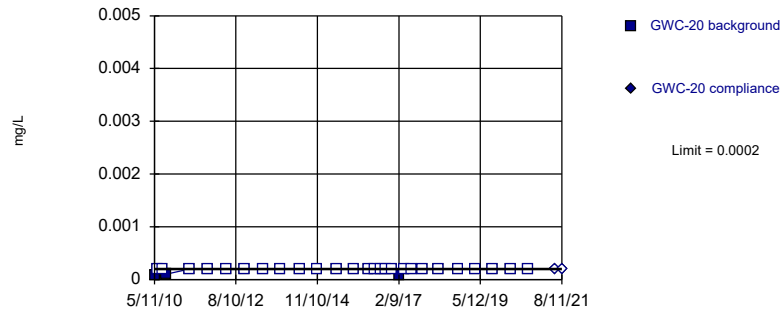


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

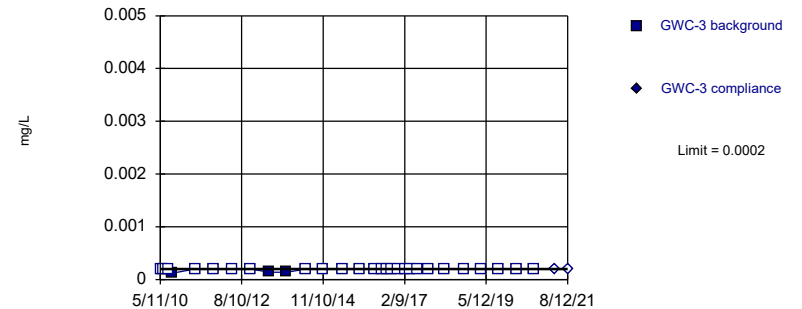


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

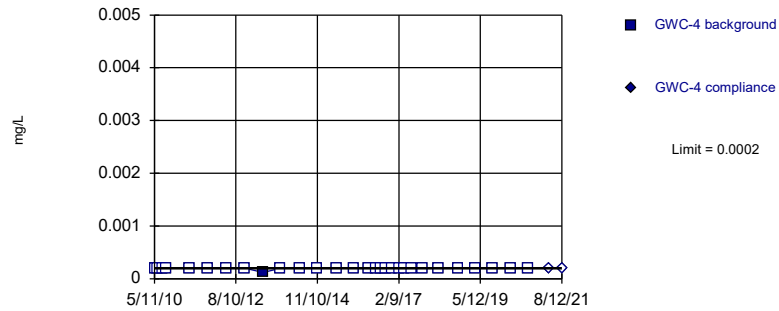


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

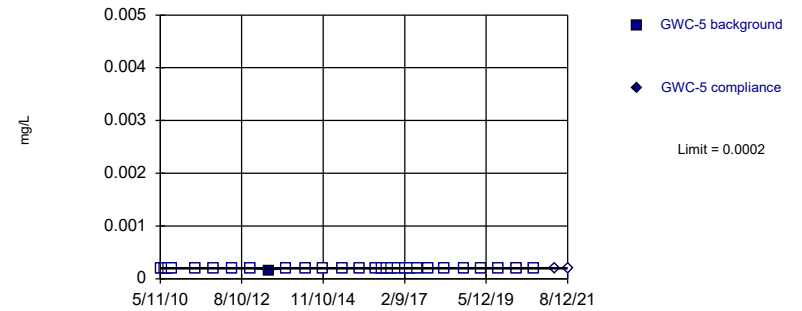


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

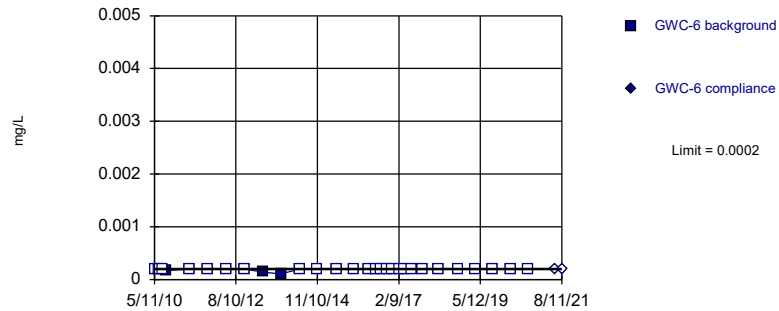


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

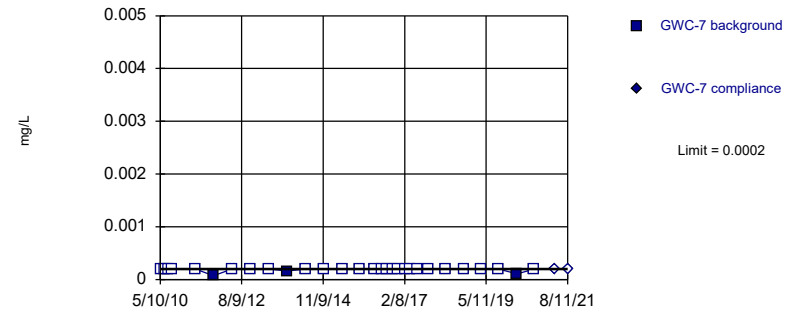


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

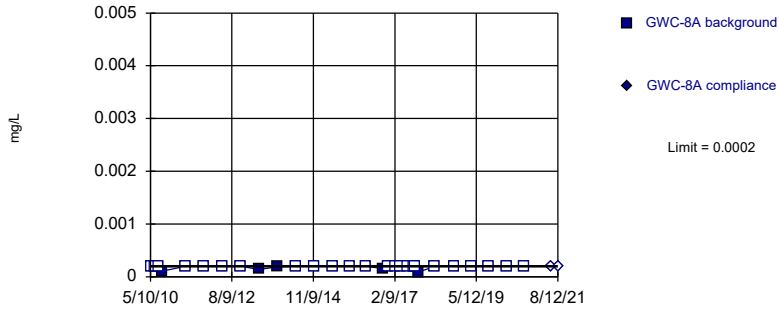
### Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:52 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

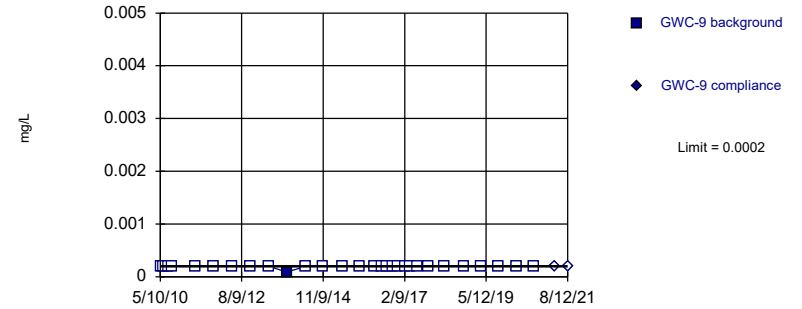
Within Limit Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

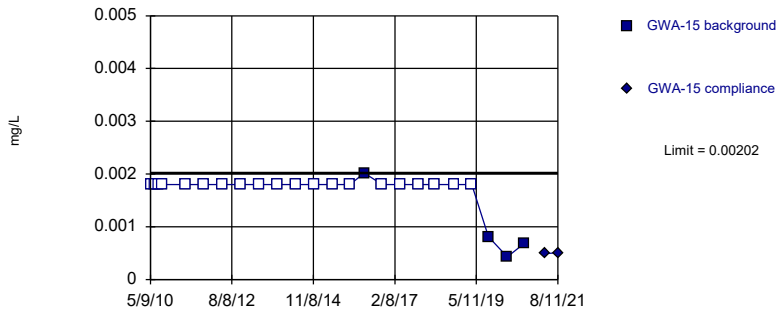
Within Limit Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

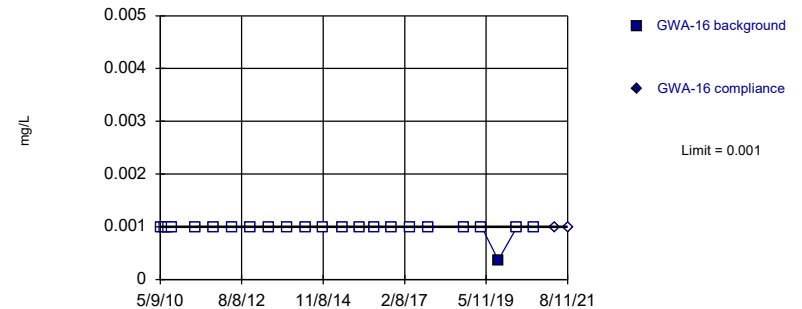
Within Limit Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit Prediction Limit  
 Intrawell Non-parametric



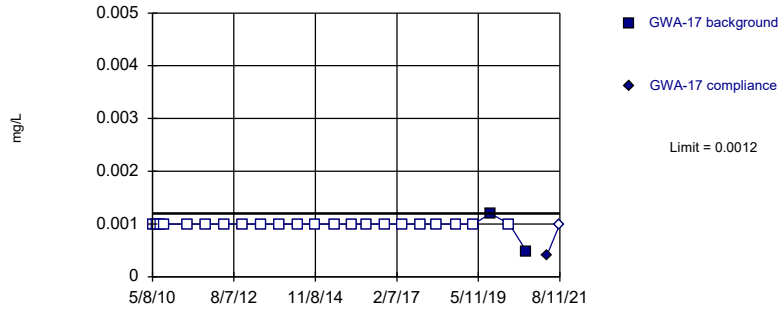
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



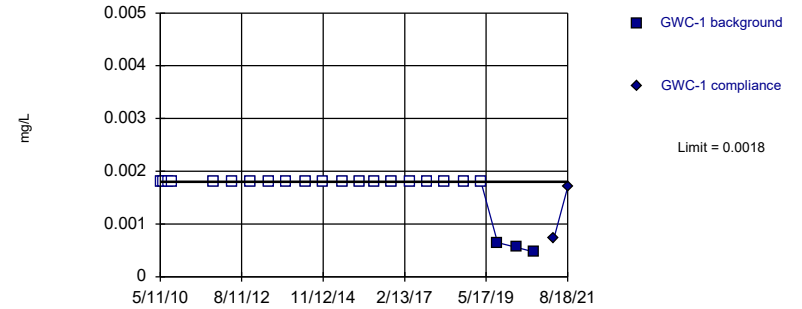
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



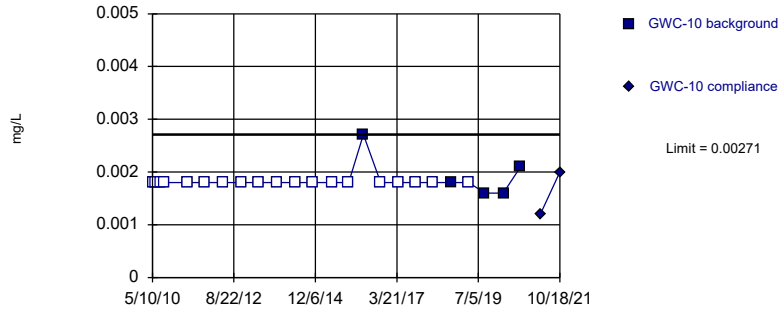
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



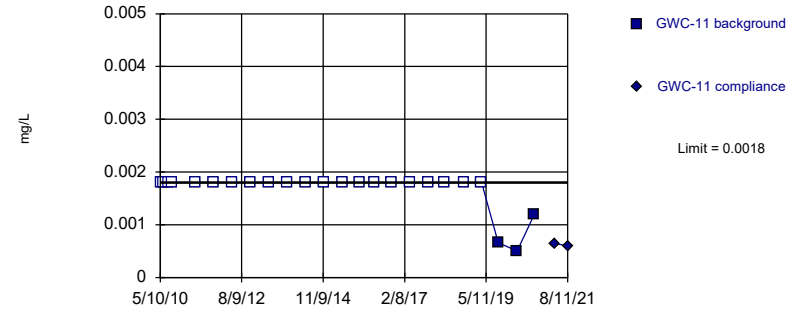
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sanitas™ v.9.6.31g Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

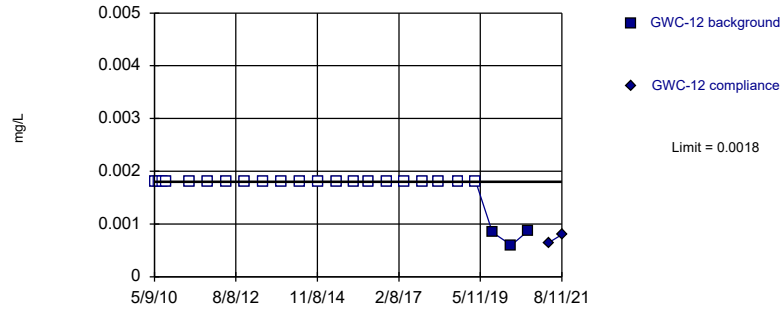
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

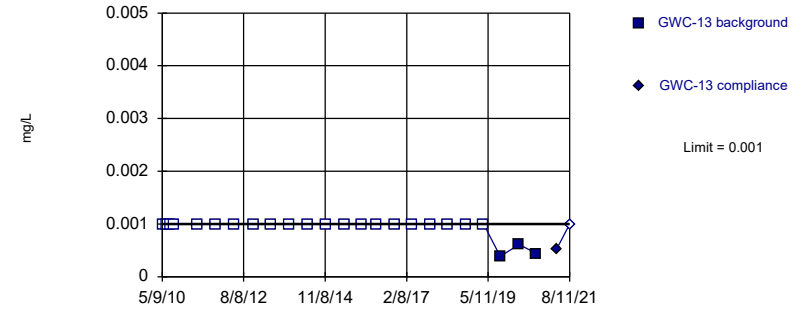
Within Limit  
 Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

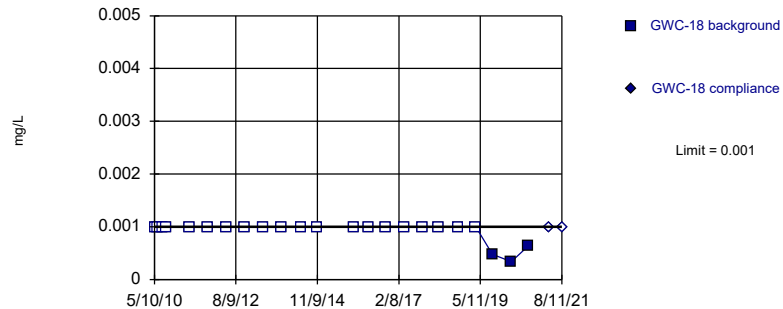
Within Limit  
 Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

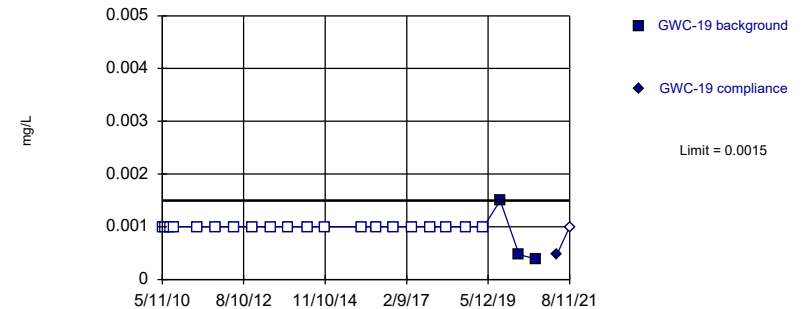
Within Limit  
 Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit  
 Prediction Limit  
 Intrawell Non-parametric



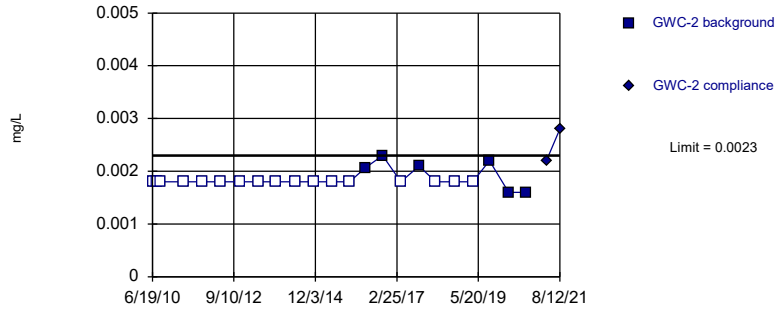
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

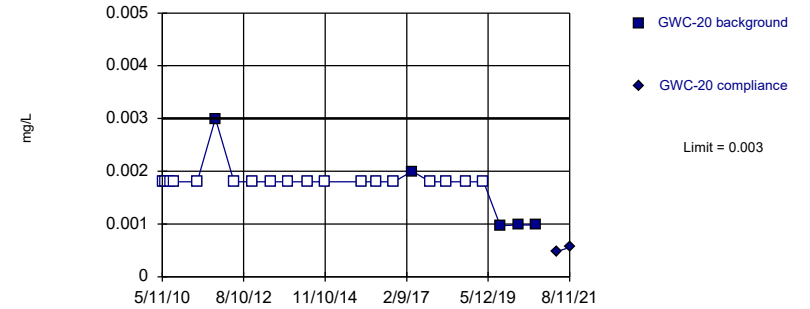


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

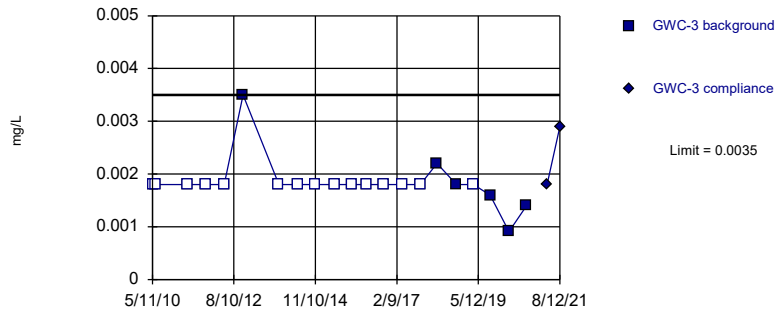


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

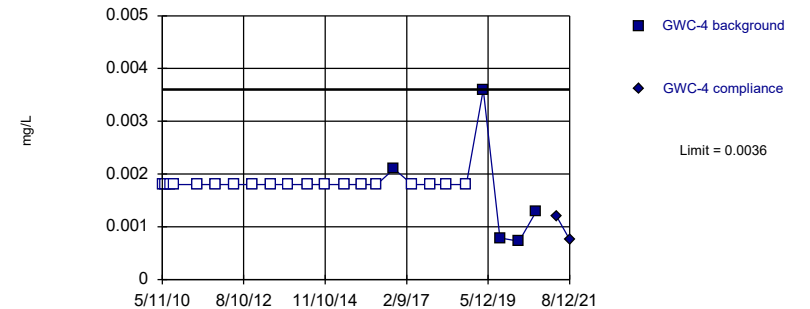


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

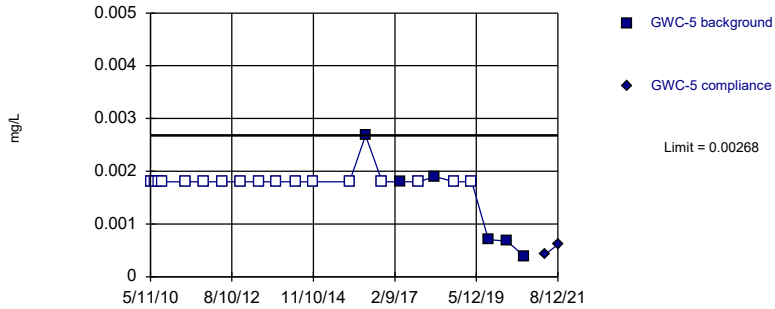


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

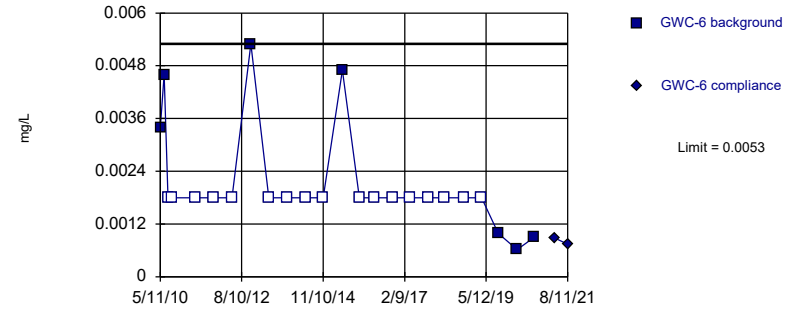


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

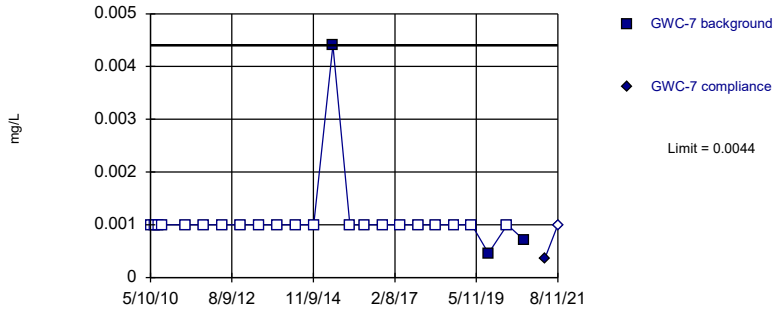


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

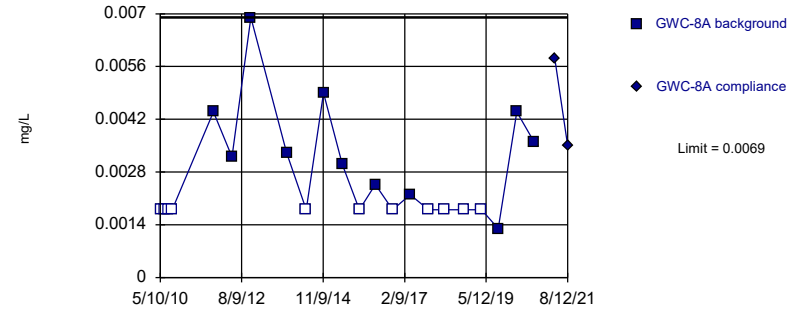


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

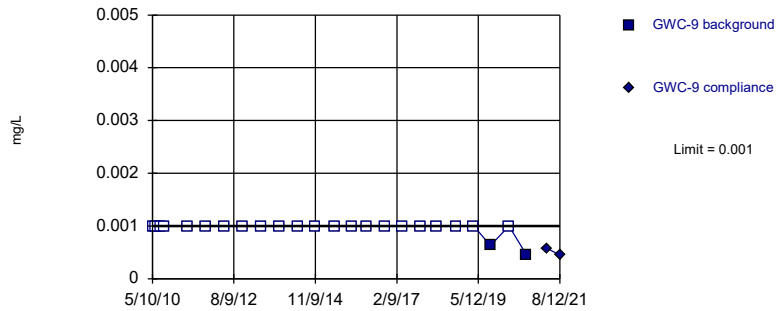


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 50% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

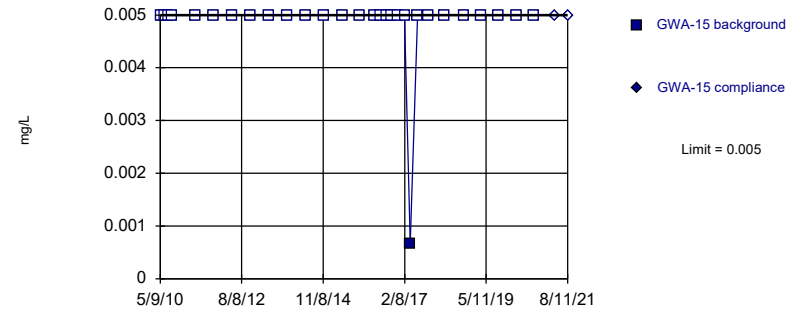


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

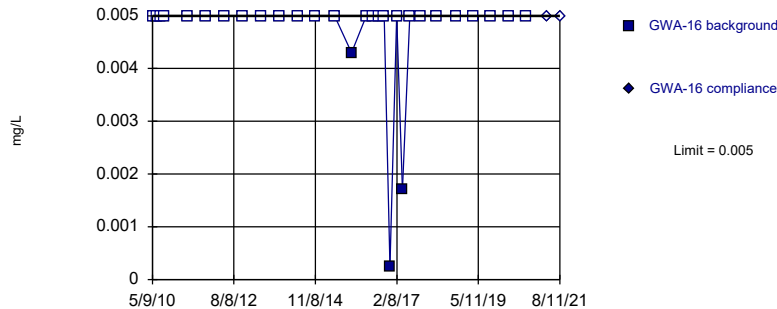


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

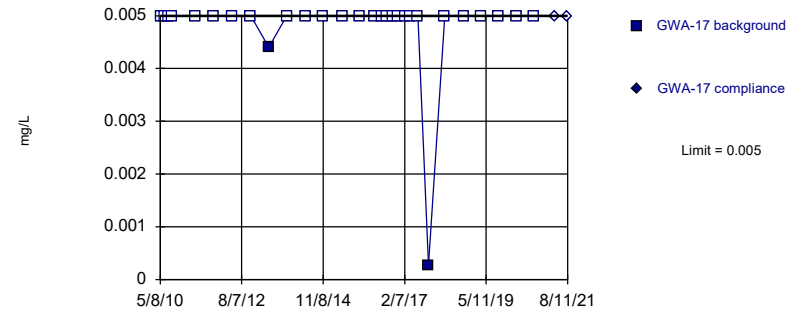


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

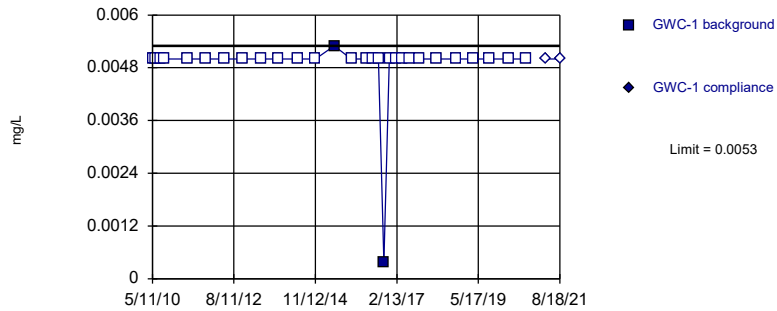


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

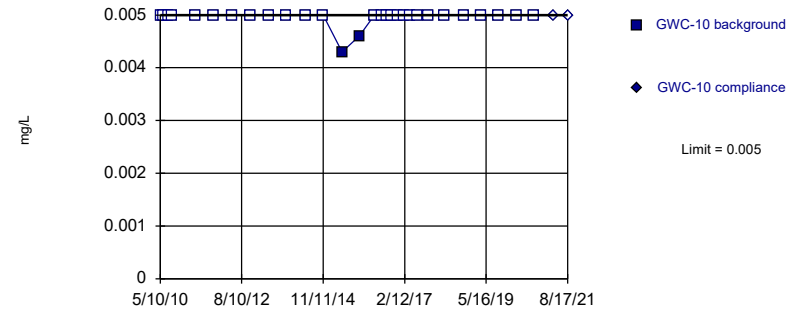


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

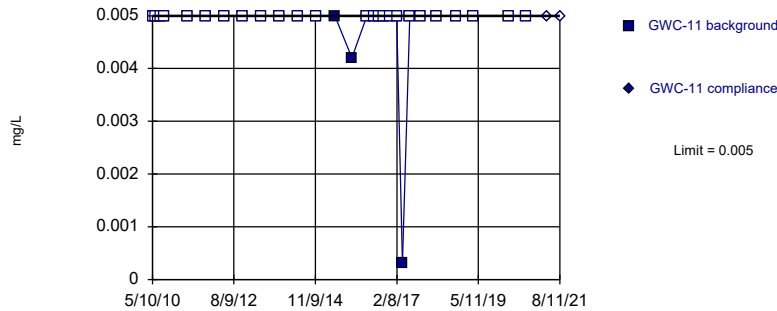


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

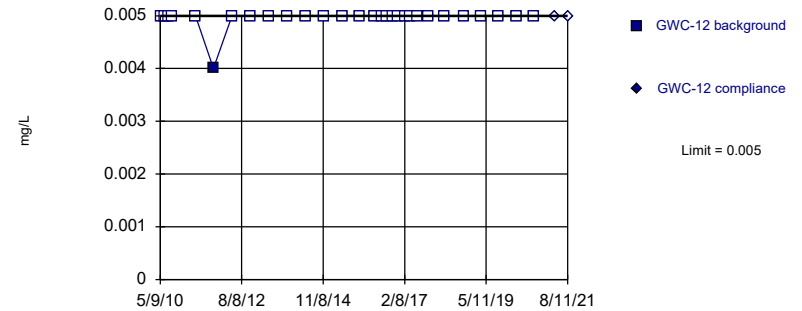


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

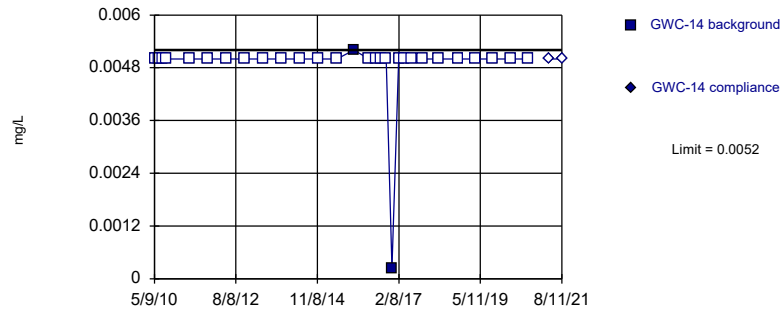


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

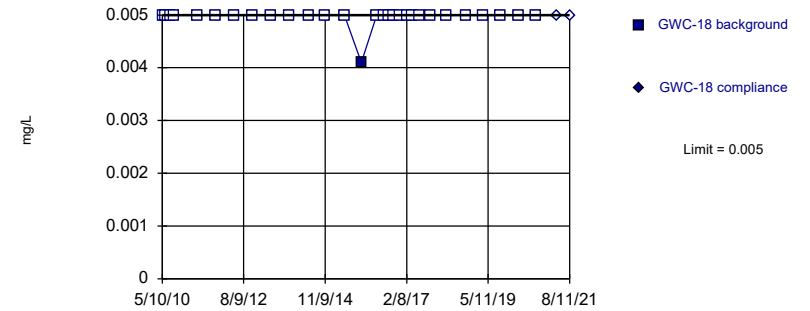


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

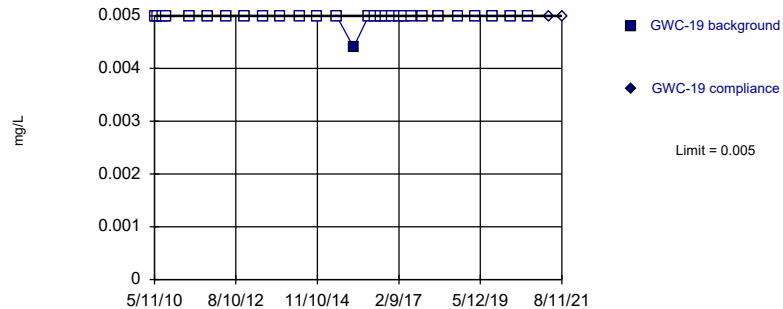


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

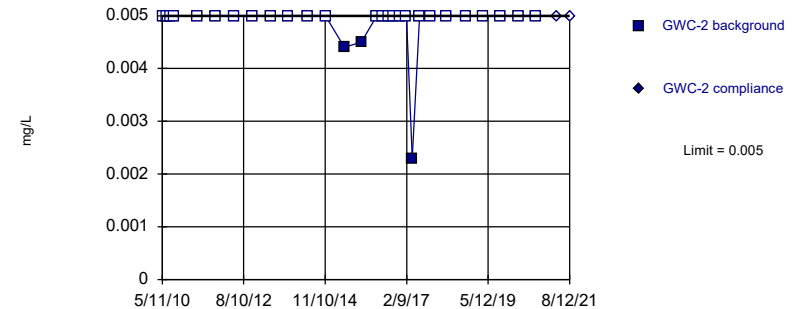


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

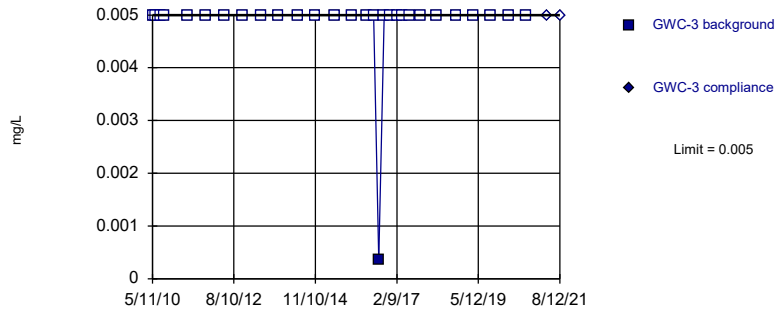


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

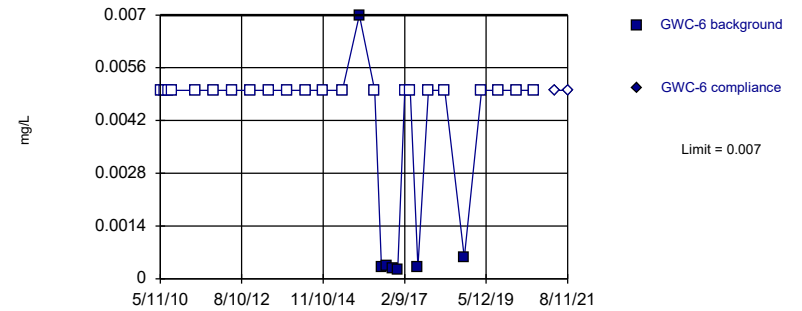


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

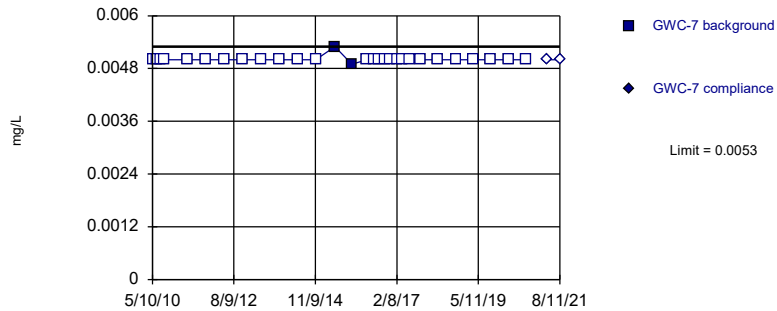


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 75.86% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

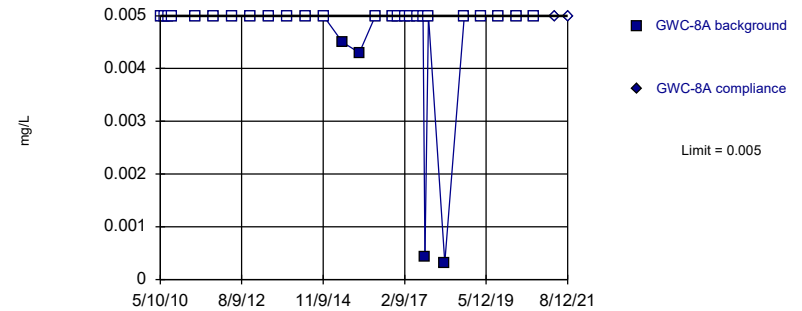


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

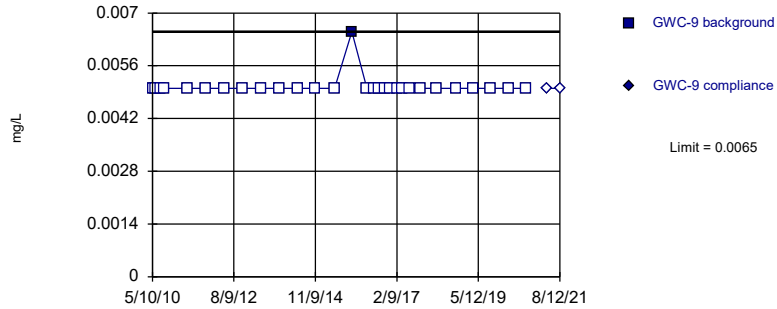


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

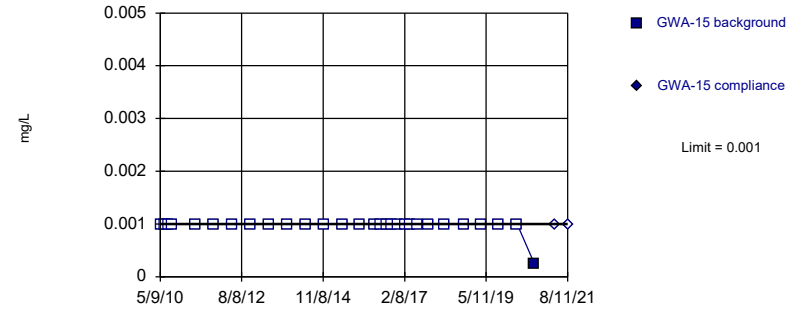


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

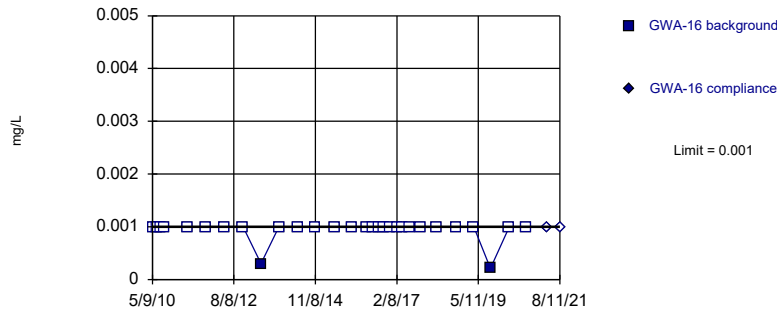


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

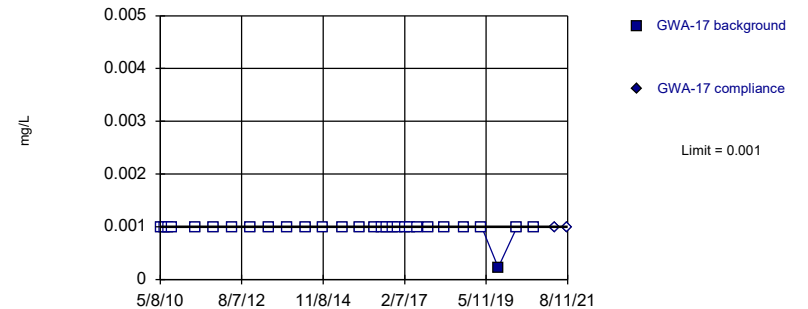


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

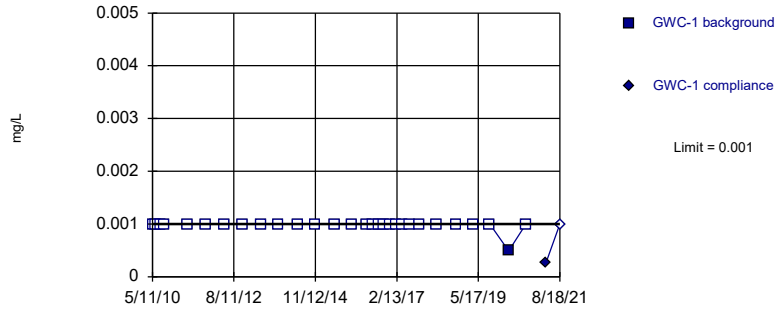


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

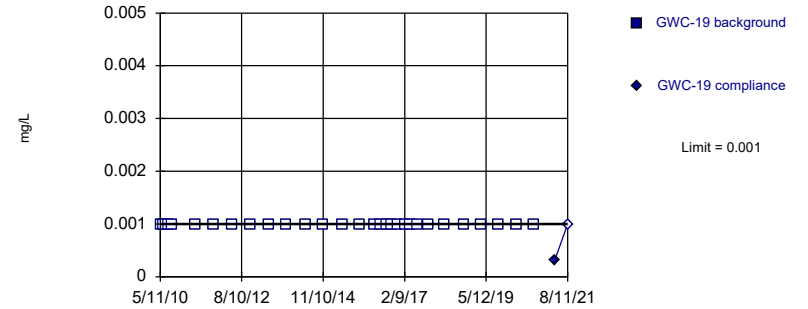


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

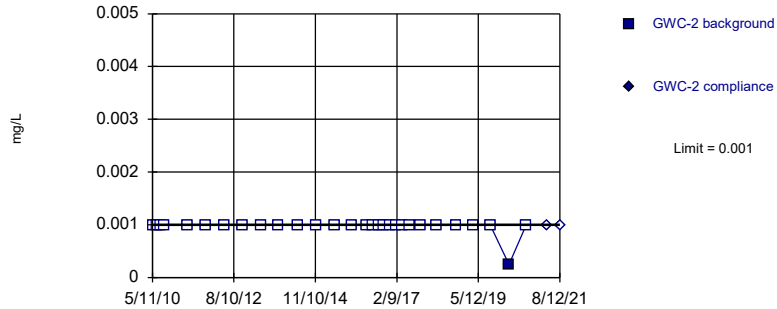


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

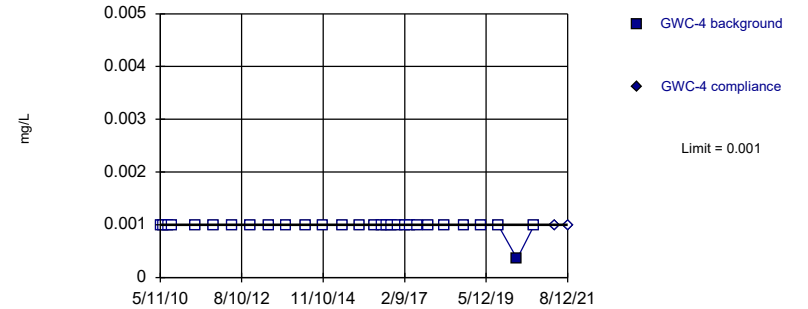


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric



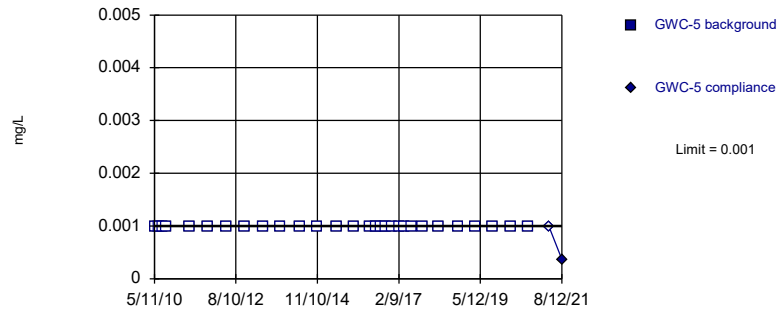
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

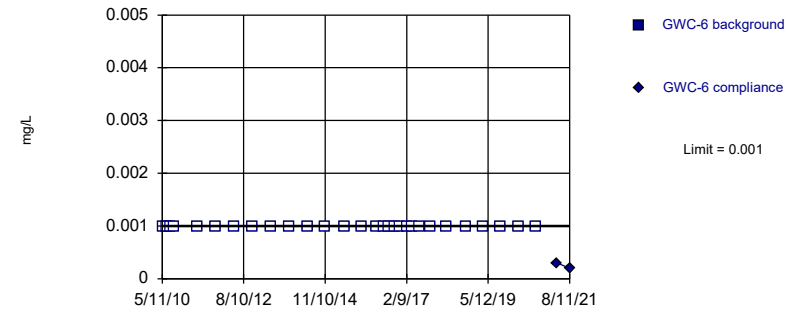


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

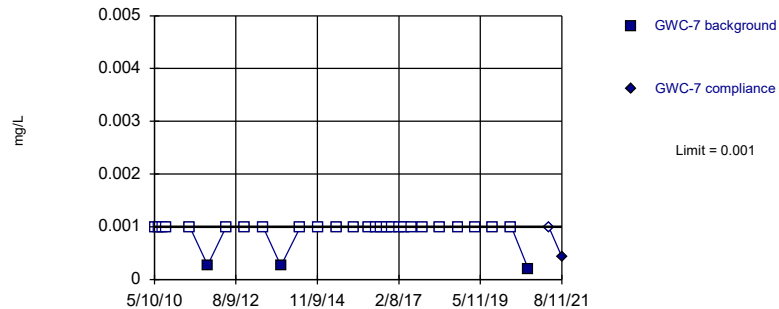


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

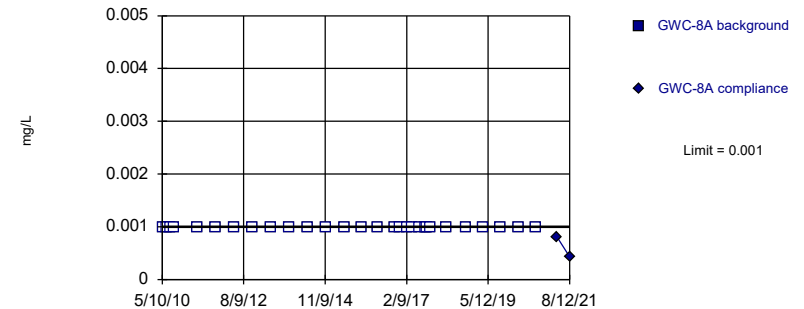


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

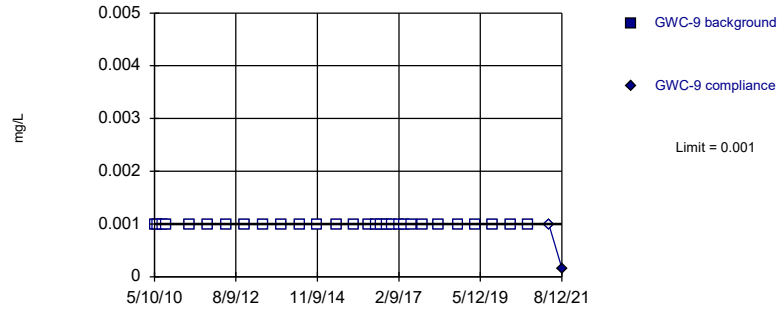


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

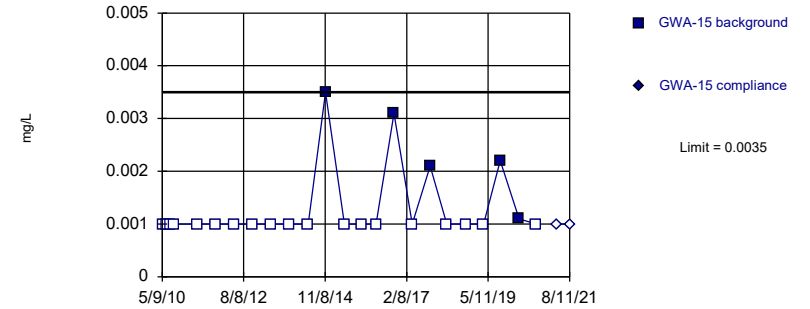


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

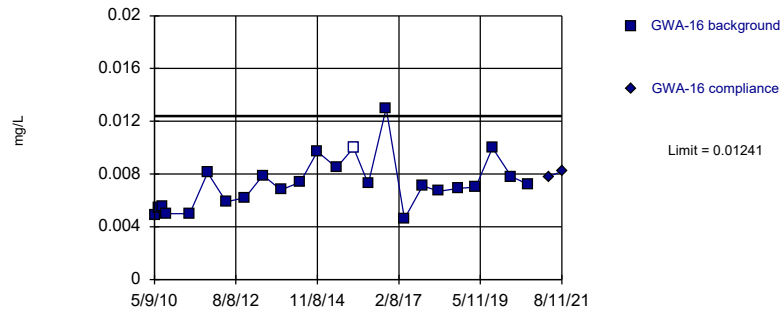


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

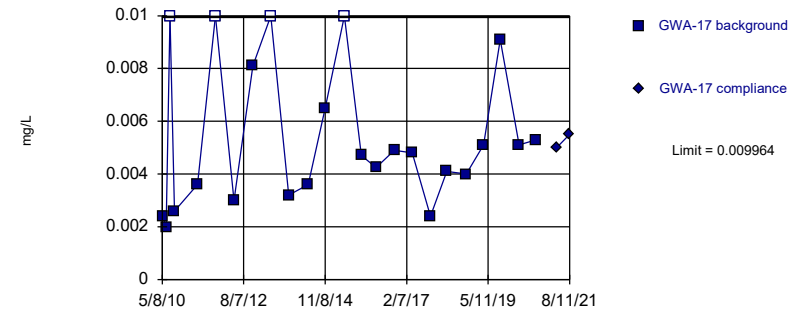


Background Data Summary: Mean=0.007244, Std. Dev.=0.001978, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9179, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

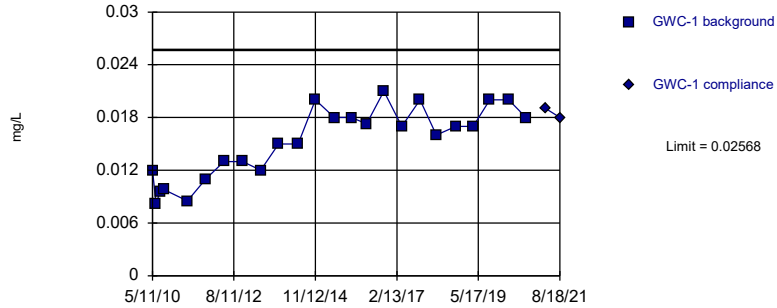


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06396, Std. Dev.=0.01374, n=24, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

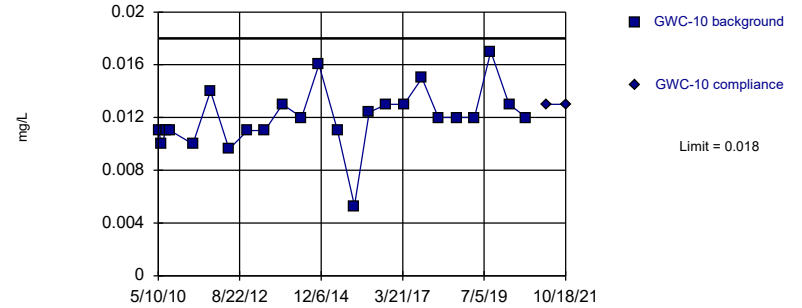


Background Data Summary: Mean=0.01527, Std. Dev.=0.003991, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



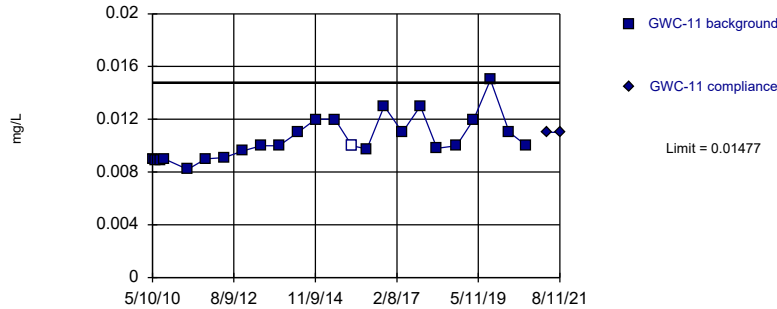
Background Data Summary: Mean=0.01197, Std. Dev.=0.002311, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9233, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



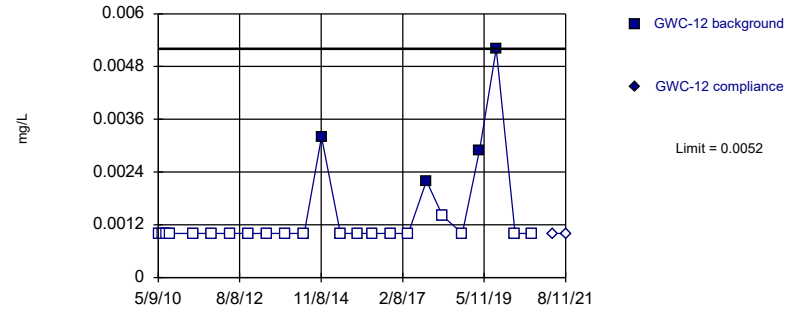
Background Data Summary: Mean=0.01047, Std. Dev.=0.001648, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8992, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

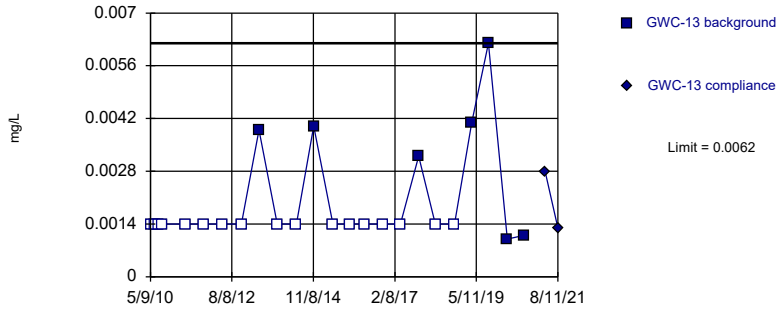


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

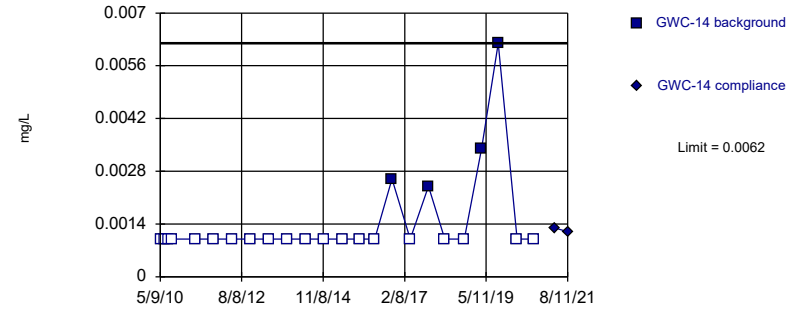


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

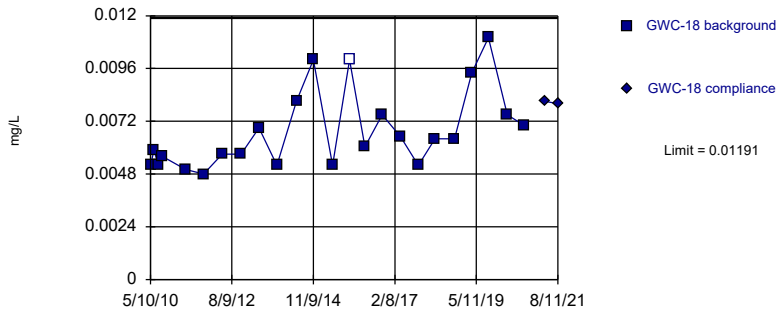


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

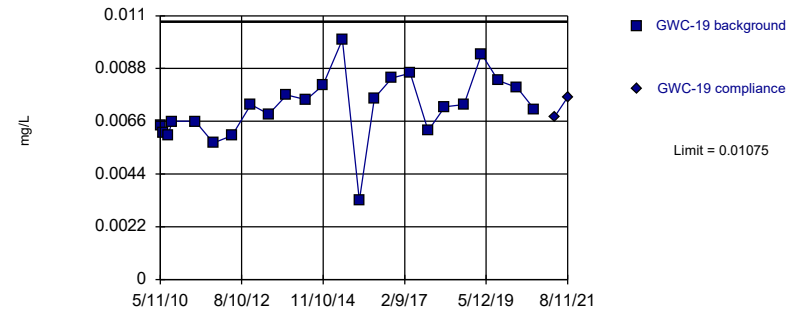


Background Data Summary (based on cube root transformation): Mean=0.1875, Std. Dev.=0.01567, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8887, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:53 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

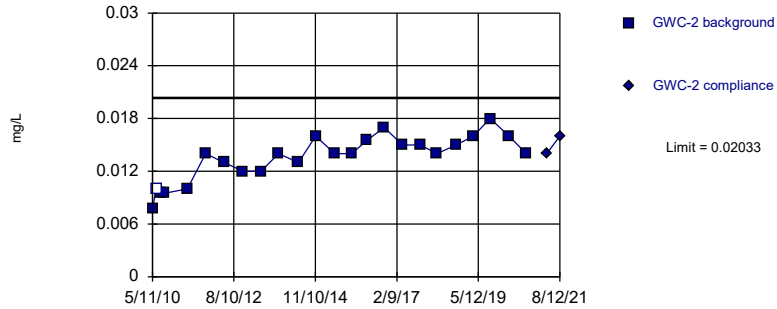


Background Data Summary: Mean=0.007178, Std. Dev.=0.001371, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9601, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

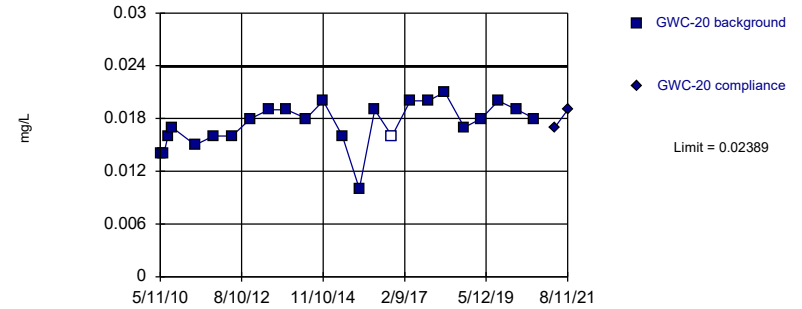


Background Data Summary: Mean=0.01352, Std. Dev.=0.00261, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9448, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

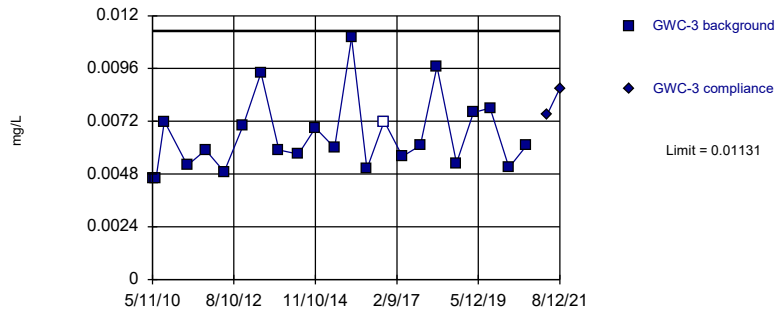


Background Data Summary: Mean=0.01733, Std. Dev.=0.002514, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9211, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

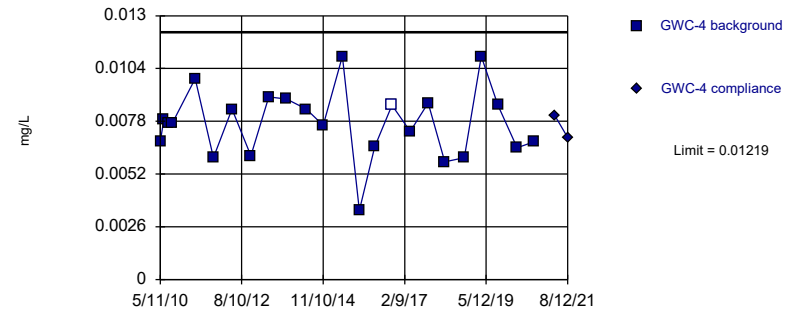


Background Data Summary (based on square root transformation): Mean=0.08012, Std. Dev.=0.009969, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9116, critical = 0.881. Kappa = 2.632 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

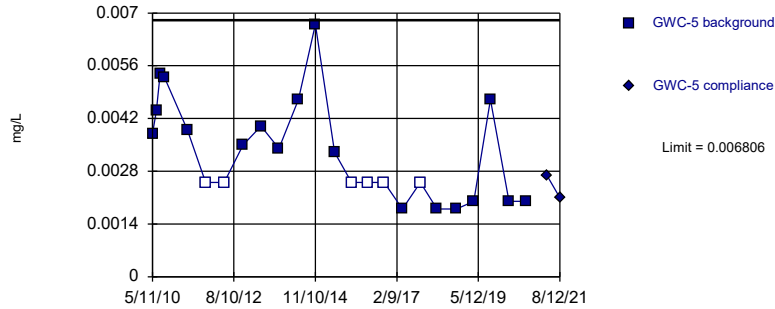


Background Data Summary: Mean=0.007693, Std. Dev.=0.001725, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

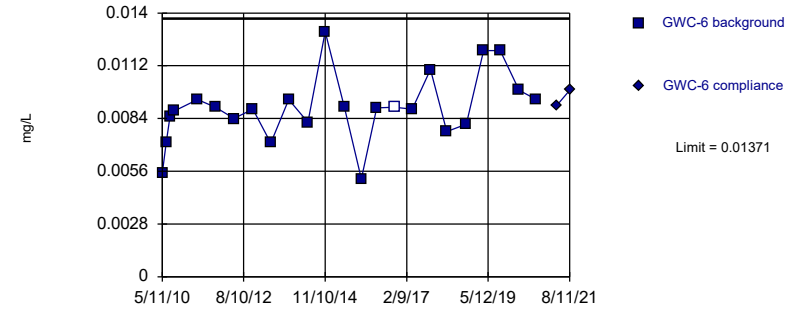


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003039, Std. Dev.=0.001444, n=24, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

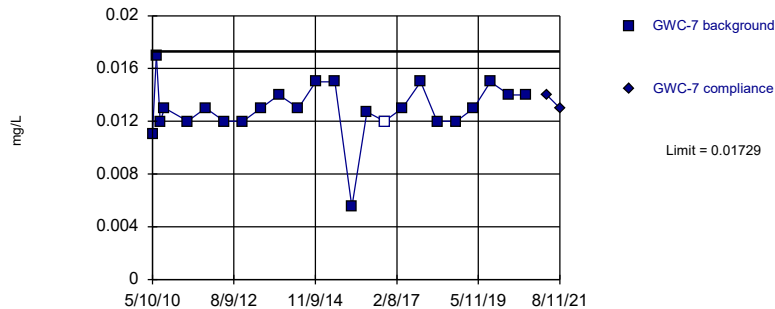


Background Data Summary: Mean=0.008936, Std. Dev.=0.001829, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9399, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

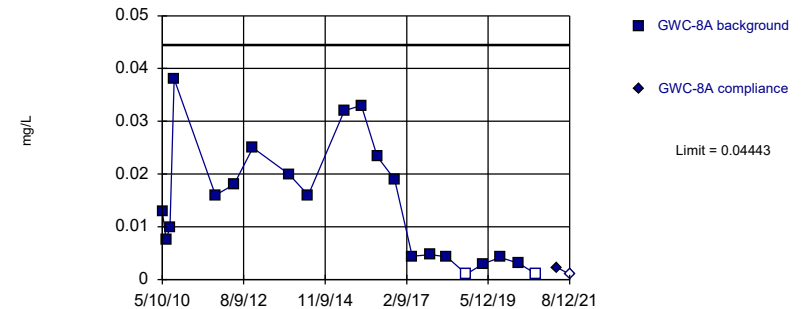


Background Data Summary (based on square transformation): Mean=0.0001713, Std. Dev.=0.0000489, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9045, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

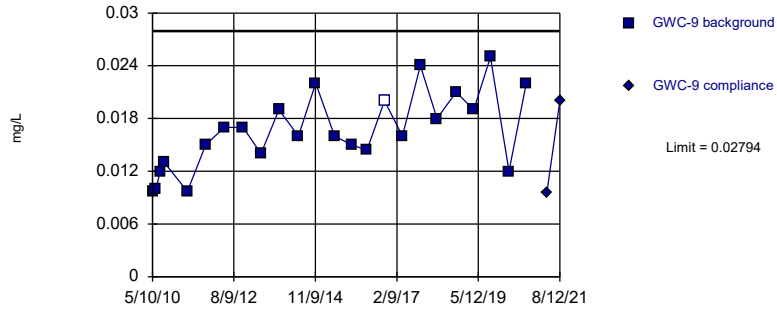


Background Data Summary: Mean=0.01412, Std. Dev.=0.01131, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9106, critical = 0.873. Kappa = 2.68 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

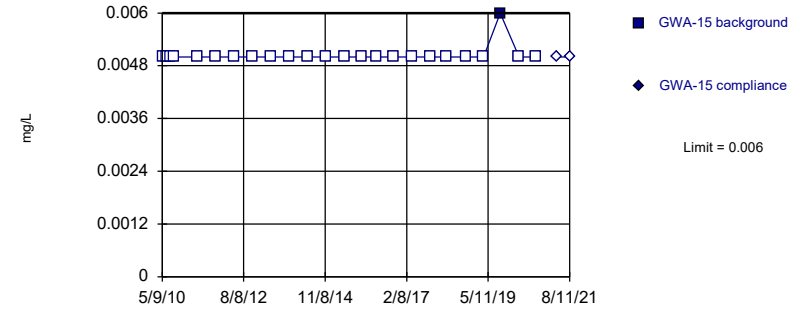


Background Data Summary: Mean=0.01653, Std. Dev.=0.004374, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9688, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

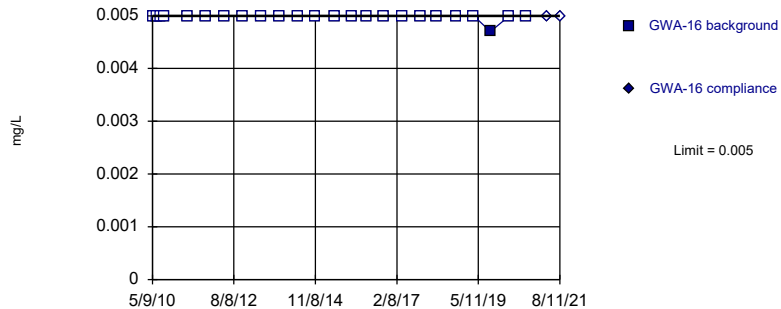


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

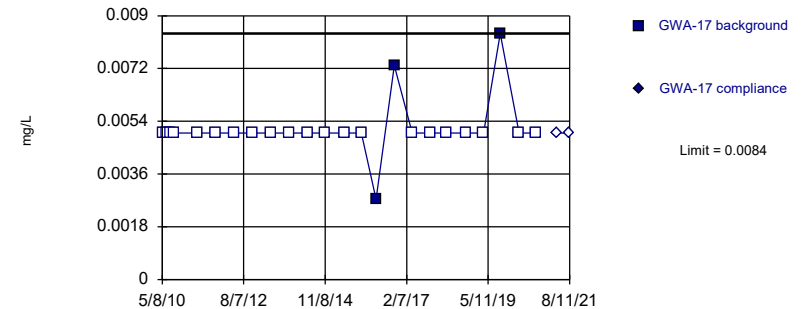


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

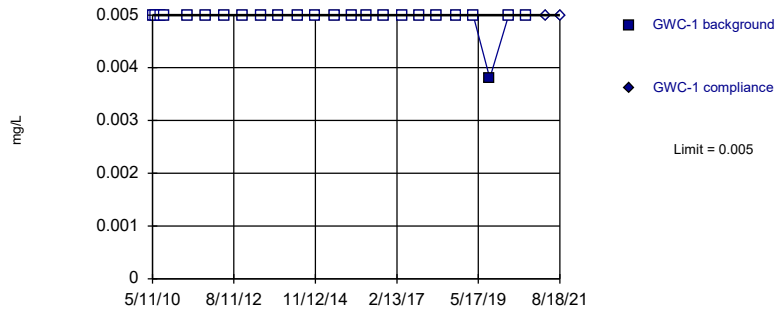


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

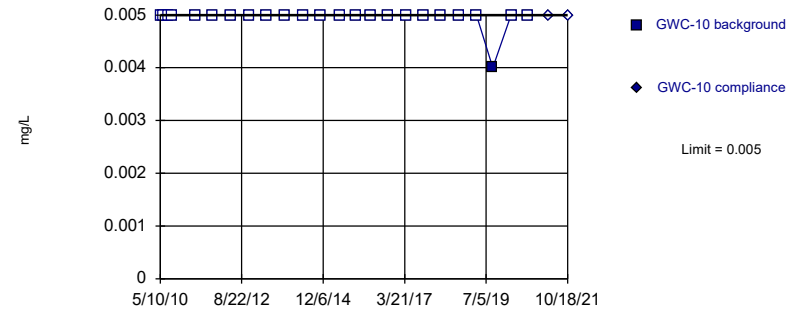


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

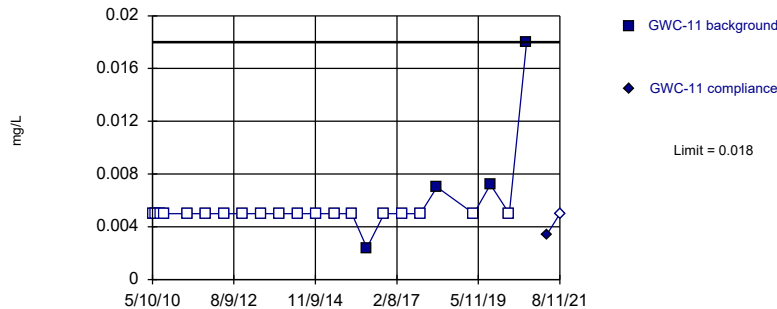


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

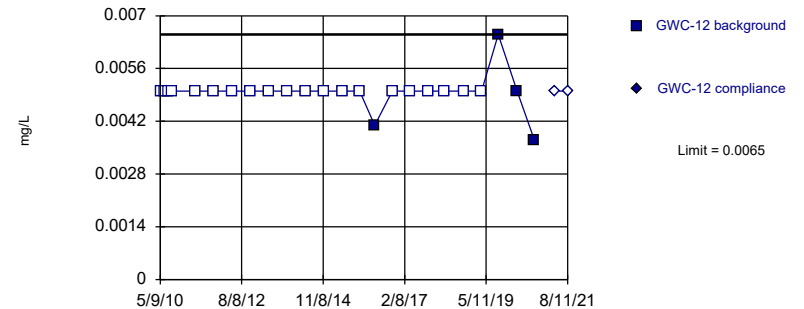


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



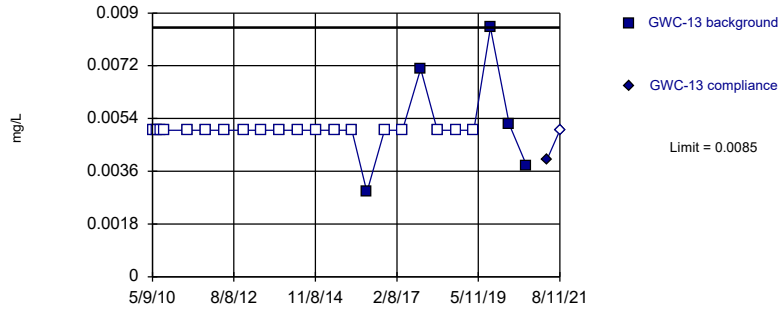
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

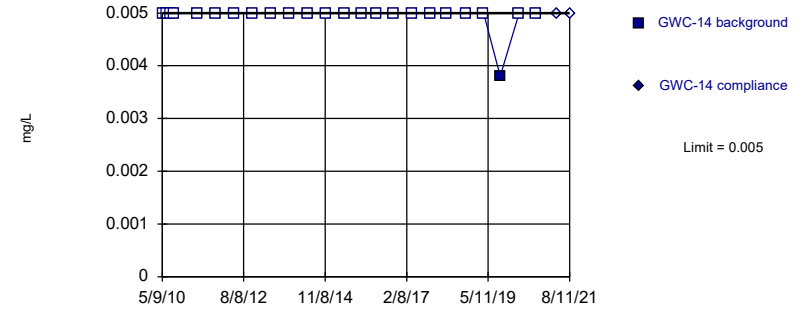


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

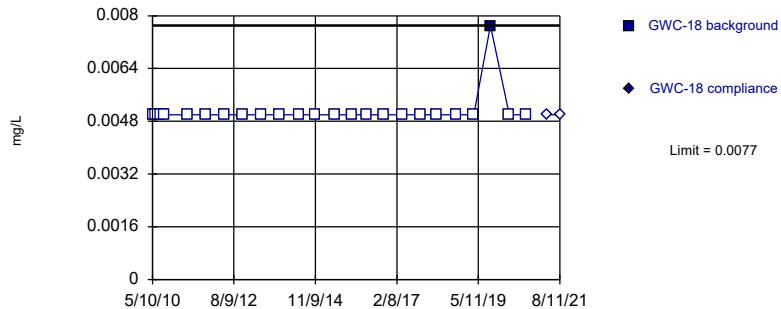


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

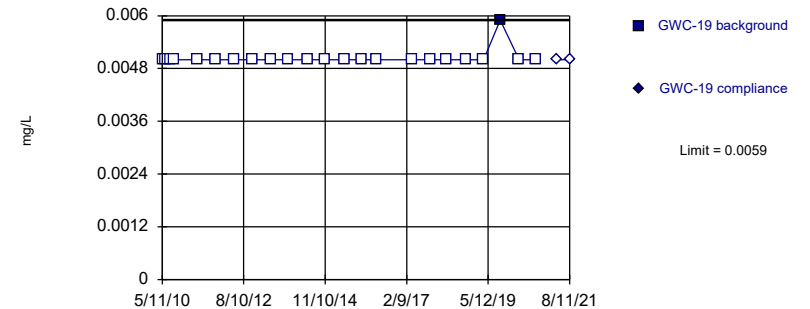


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

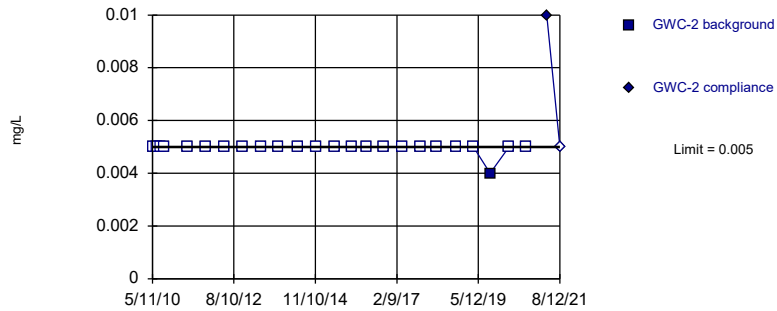


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

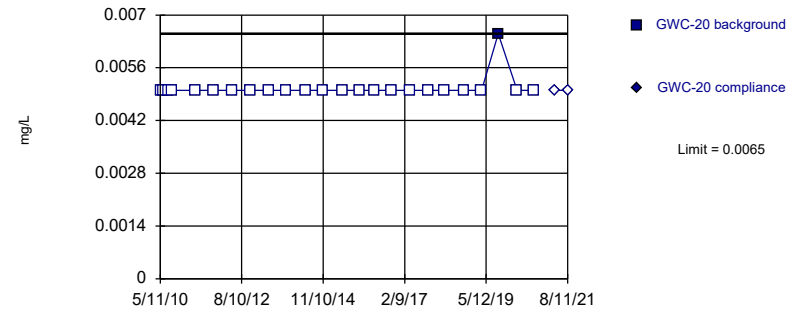


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

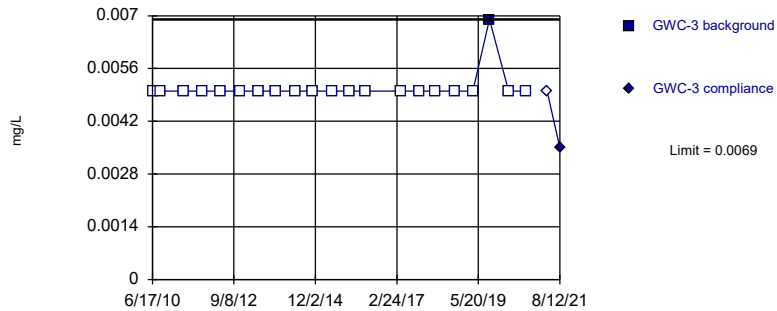


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

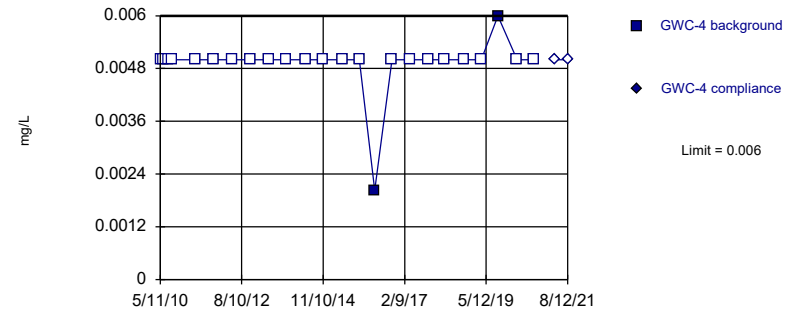


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

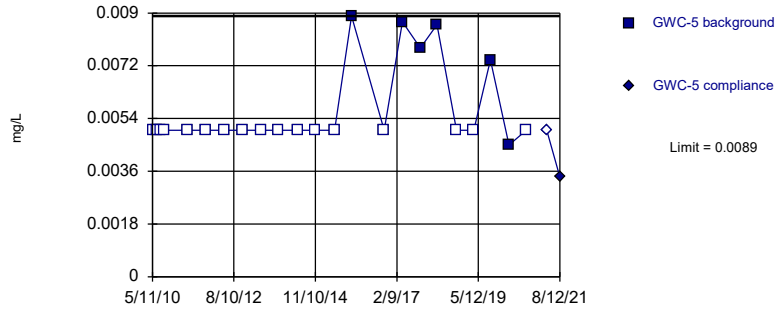


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

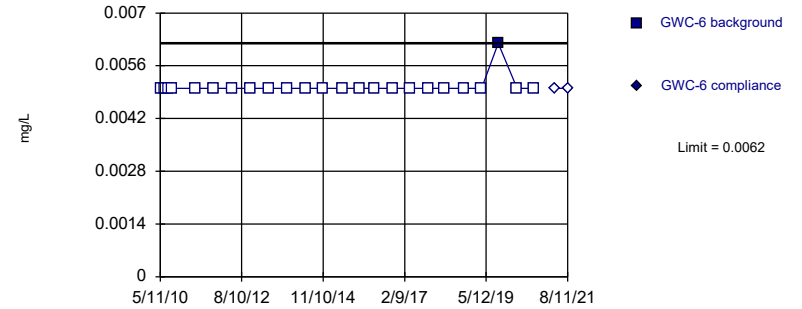


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

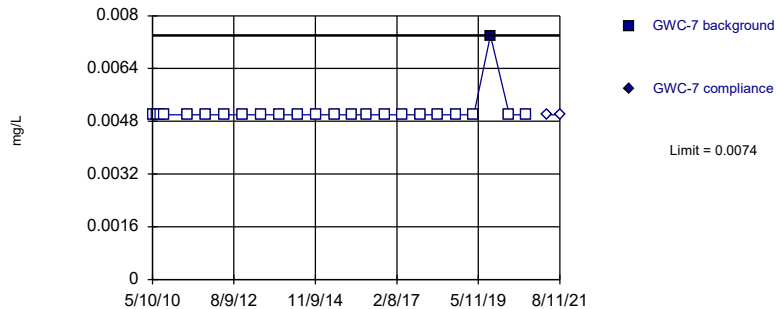


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

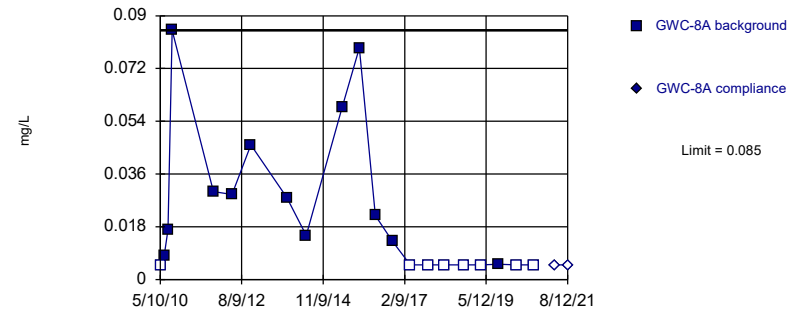


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

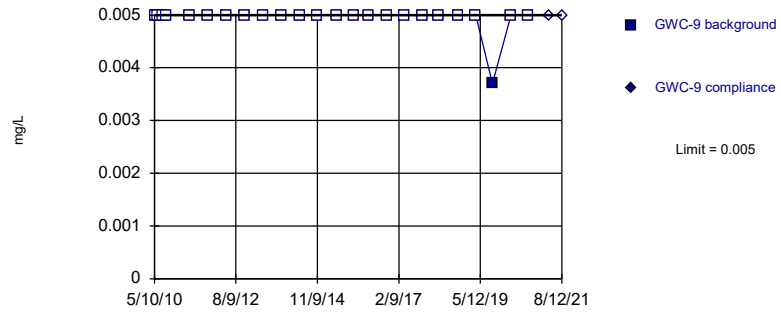


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 12/2/2021 12:54 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	<0.002	
10/4/2016	<0.002	
11/29/2016	<0.002	
2/7/2017	0.001 (J)	
4/4/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	<0.002	
6/18/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/23/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	0.000646 (JD)	
6/21/2016	<0.002	
8/15/2016	<0.002	
10/5/2016	<0.002	
12/1/2016	<0.002	
2/8/2017	<0.002	
4/5/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002 (D)	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	<0.002	
7/26/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
6/16/2016	0.00018 (J)	
8/11/2016	<0.002	
10/5/2016	<0.002	
11/29/2016	<0.002	
2/8/2017	<0.002	
4/6/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00039 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/8/2014	<0.002	
5/23/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
6/16/2016	0.00014 (J)	
8/11/2016	<0.002	
10/5/2016	<0.002	
11/29/2016	<0.002	
2/8/2017	<0.002	
4/5/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002
8/11/2021		<0.002



# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.00042 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.0013 (J)
8/12/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	<0.002	
6/17/2010	<0.002	
7/28/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/10/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002 (D)	
6/20/2016	0.0002 (J)	
8/12/2016	<0.002	
10/5/2016	<0.002	
11/30/2016	<0.002	
2/8/2017	<0.002	
4/6/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002
8/12/2021		<0.002

# Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	<0.002	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
6/20/2016	0.0002 (J)	
8/15/2016	<0.002	
10/6/2016	<0.002	
12/1/2016	<0.002	
2/9/2017	<0.002	
4/7/2017	<0.002	
6/22/2017	<0.002	
10/6/2017	<0.002	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/9/2010	0.01 (J)	
6/18/2010	0.01 (J)	
7/28/2010	0.011 (J)	
9/9/2010	0.011 (J)	
4/30/2011	0.0091 (J)	
10/28/2011	0.0096 (J)	
5/2/2012	0.012	
11/9/2012	0.012 (V)	
5/8/2013	0.01	
11/5/2013	0.0098 (J)	
5/20/2014	0.0081 (J)	
11/12/2014	0.0098 (J)	
5/22/2015	0.0088 (J)	
11/11/2015	0.011	
4/6/2016	0.00959 (J)	
6/15/2016	0.0091 (J)	
8/10/2016	0.009	
10/4/2016	<0.0092	
11/30/2016	0.011	
2/7/2017	0.0099	
4/4/2017	0.0092	
6/20/2017	0.0099	
10/4/2017	0.0098	
3/20/2018	0.01	
10/2/2018	0.0099	
3/26/2019	0.0099	
9/10/2019	0.011	
3/18/2020	0.01	
9/9/2020	0.01	
4/1/2021		0.0092 (J)
8/11/2021		0.01

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	0.031 (J)	
6/16/2010	0.029 (J)	
7/27/2010	0.029 (J)	
9/7/2010	0.028 (J)	
4/29/2011	0.026 (J)	
10/28/2011	0.025	
5/2/2012	0.025	
11/9/2012	0.028 (V)	
5/8/2013	0.029	
11/6/2013	0.026	
5/20/2014	0.025	
11/8/2014	0.026	
5/22/2015	0.026	
11/9/2015	0.024	
4/6/2016	0.026	
6/15/2016	0.023	
8/10/2016	0.022	
10/4/2016	0.024	
11/29/2016	0.023	
2/7/2017	0.024	
4/4/2017	0.022	
6/20/2017	0.025	
10/5/2017	0.023	
3/20/2018	0.023	
10/2/2018	0.023	
3/26/2019	0.024	
9/10/2019	0.039	
3/18/2020	0.027	
9/9/2020	0.024	
4/1/2021		0.024
8/11/2021		0.023

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	0.048 (J)	
6/16/2010	0.044 (J)	
7/26/2010	0.042 (J)	
9/7/2010	0.04 (J)	
4/29/2011	0.038 (J)	
10/28/2011	0.034	
5/2/2012	0.03	
11/9/2012	0.039 (V)	
5/8/2013	0.034	
11/6/2013	0.032	
5/20/2014	0.03	
11/8/2014	0.031	
5/22/2015	0.033	
11/9/2015	0.034	
4/6/2016	0.0347	
6/15/2016	0.029	
8/10/2016	0.027	
10/5/2016	<0.029	
11/29/2016	0.024	
2/7/2017	0.029	
4/4/2017	0.03	
6/20/2017	0.036	
10/5/2017	0.027	
3/20/2018	0.027	
10/2/2018	0.027	
3/26/2019	0.031	
9/10/2019	0.051	
3/18/2020	0.031	
9/9/2020	0.033	
4/1/2021		0.029
8/11/2021		0.029

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	0.054 (J)	
6/17/2010	0.054 (J)	
7/27/2010	0.054 (J)	
9/9/2010	0.046 (J)	
4/28/2011	0.057 (J)	
10/29/2011	0.046	
5/3/2012	0.049	
11/9/2012	0.045 (V)	
5/9/2013	0.053	
11/5/2013	0.045	
5/23/2014	0.043	
11/13/2014	0.046	
5/23/2015	0.046	
11/11/2015	0.047	
4/12/2016	0.0474	
6/16/2016	0.044	
8/11/2016	0.04	
10/4/2016	0.048	
11/30/2016	0.043	
2/7/2017	0.042	
4/5/2017	0.041	
6/20/2017	0.046	
10/4/2017	0.044	
3/20/2018	0.042	
10/2/2018	0.043	
3/26/2019	0.044	
9/10/2019	0.046	
3/18/2020	0.049	
9/9/2020	0.046	
4/1/2021		0.047
8/18/2021		0.049

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-10	GWC-10
5/10/2010	0.024 (J)	
6/16/2010	0.022 (J)	
7/28/2010	0.023 (J)	
9/8/2010	0.023 (J)	
4/29/2011	0.022 (J)	
10/27/2011	0.022	
5/4/2012	0.019	
11/11/2012	0.025 (V)	
5/9/2013	0.024	
11/5/2013	0.025	
5/21/2014	0.024	
11/12/2014	0.026	
5/23/2015	0.026	
11/12/2015	0.026	
4/13/2016	0.0258 (D)	
6/21/2016	0.0286	
8/15/2016	0.024	
10/5/2016	<0.028	
12/1/2016	0.028	
2/8/2017	0.027	
4/6/2017	0.027	
6/21/2017	0.031	
10/5/2017	0.029	
3/21/2018	<0.028 (X)	
10/2/2018	0.029	
3/27/2019		0.027
9/11/2019		0.033
3/18/2020		0.036
9/9/2020		0.036
4/1/2021		0.034
10/18/2021		0.031



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	0.018 (J)	
6/16/2010	0.018 (J)	
7/27/2010	0.018 (J)	
9/8/2010	0.017 (J)	
4/29/2011	0.016 (J)	
10/27/2011	0.015	
5/4/2012	0.014	
11/10/2012	0.016 (V)	
5/9/2013	0.016	
11/6/2013	0.016	
5/20/2014	0.016	
11/12/2014	0.017	
5/24/2015	0.017	
11/12/2015	0.016	
4/13/2016	0.0159 (D)	
6/21/2016	0.018	
8/15/2016	0.015	
10/5/2016	<0.016	
12/1/2016	0.016	
2/8/2017	0.015	
4/6/2017	0.016	
6/20/2017	0.016	
10/5/2017	0.016	
3/21/2018	<0.016 (X)	
10/2/2018	0.016	
3/27/2019	0.015	
9/11/2019	0.017	
3/18/2020	0.019	
9/10/2020	0.02	
4/1/2021		0.018
8/11/2021		0.017

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	0.017 (J)	
6/18/2010	0.014 (J)	
7/27/2010	0.015 (J)	
9/8/2010	0.013 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.013	
5/3/2012	0.012	
11/10/2012	0.015 (V)	
5/9/2013	0.015	
11/6/2013	0.015	
5/20/2014	0.015	
11/12/2014	0.018	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0166 (D)	
6/21/2016	0.0173	
8/15/2016	0.015	
10/5/2016	<0.017	
12/1/2016	0.016	
2/8/2017	0.016	
4/5/2017	0.016	
6/20/2017	0.017	
10/5/2017	0.017	
3/21/2018	<0.017 (X)	
10/2/2018	0.016	
3/26/2019	0.017	
9/11/2019	0.017	
3/18/2020	0.018	
9/10/2020	0.019	
4/1/2021		0.018
8/11/2021		0.018

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	0.029 (J)	
6/18/2010	0.028 (J)	
7/29/2010	0.029 (J)	
9/9/2010	0.028 (J)	
4/26/2011	0.038 (J)	
10/28/2011	0.026	
5/4/2012	0.024	
11/11/2012	0.027 (V)	
5/8/2013	0.045	
11/7/2013	0.026	
5/20/2014	0.024	
11/12/2014	0.029	
5/24/2015	0.027	
11/12/2015	0.029	
4/13/2016	0.029 (D)	
6/21/2016	0.0306	
8/15/2016	0.026	
10/7/2016	0.031	
12/1/2016	0.031	
2/9/2017	0.032	
4/6/2017	0.029	
6/22/2017	0.034	
10/6/2017	0.031	
3/22/2018	0.034	
10/3/2018	0.03	
3/26/2019		0.035
9/11/2019		0.035
3/18/2020		0.058
9/10/2020		0.037
4/6/2021		0.038
8/11/2021		0.037

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	0.01 (J)	
6/18/2010	0.0097 (J)	
7/28/2010	0.0096 (J)	
9/9/2010	0.01 (J)	
4/30/2011	0.0096 (J)	
10/28/2011	0.0064 (O)	
5/3/2012	0.0054 (O)	
11/10/2012	0.0094 (J)	
5/8/2013	0.0093 (J)	
11/5/2013	0.009 (J)	
5/20/2014	0.009 (J)	
11/12/2014	0.0098 (J)	
5/24/2015	0.0096 (J)	
11/11/2015	0.0092 (J)	
4/13/2016	0.00929 (JD)	
6/21/2016	0.0106	
8/15/2016	0.0077	
10/4/2016	<0.0091	
12/1/2016	0.0089	
2/7/2017	0.0089	
4/6/2017	0.0085	
6/20/2017	0.0097	
10/5/2017	0.0096	
3/20/2018	0.0091	
10/2/2018	0.0096	
3/26/2019	0.0092	
9/11/2019	0.011	
3/18/2020	0.0099 (J)	
9/9/2020	0.01	
4/1/2021		0.0095 (J)
8/11/2021		0.012

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	0.039 (J)	
6/16/2010	0.041 (J)	
7/26/2010	0.04 (J)	
9/7/2010	0.038 (J)	
4/29/2011	0.034 (J)	
10/28/2011	0.035	
5/2/2012	0.038	
11/9/2012	0.035 (V)	
5/8/2013	0.037	
11/6/2013	0.036 (V)	
5/23/2014	0.036	
11/8/2014	0.038	
5/22/2015	0.035	
11/10/2015	0.032	
4/11/2016	0.0352	
6/16/2016	0.033	
8/11/2016	0.035	
10/5/2016	<0.032	
11/29/2016	0.034	
2/8/2017	0.032	
4/6/2017	0.031	
6/21/2017	0.035	
10/5/2017	0.034	
3/20/2018	0.033	
10/2/2018	0.032	
3/26/2019	0.033	
9/11/2019	0.035	
3/18/2020	0.036	
9/9/2020	0.036	
4/1/2021		0.035
8/11/2021		0.037

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	0.018 (J)	
6/16/2010	0.017 (J)	
7/27/2010	0.016 (J)	
9/7/2010	0.017 (J)	
4/29/2011	0.018 (J)	
10/28/2011	0.016	
5/2/2012	0.018	
11/9/2012	0.017 (V)	
5/9/2013	0.017	
11/6/2013	0.018 (V)	
5/22/2014	0.016	
11/8/2014	0.018	
5/23/2015	0.018	
11/10/2015	0.017	
4/11/2016	0.0191	
6/16/2016	0.017	
8/11/2016	0.015	
10/5/2016	<0.018	
11/29/2016	0.017	
2/8/2017	0.017	
4/5/2017	0.017	
6/21/2017	0.019	
10/5/2017	0.018	
3/20/2018	0.019	
10/2/2018	0.018	
3/26/2019		0.018
9/12/2019		0.026
3/19/2020		0.025
9/9/2020		0.026
4/5/2021		0.028
8/11/2021		0.031

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	0.048 (J)	
6/19/2010	0.033 (J)	
7/27/2010	0.047 (J)	
9/9/2010	0.045 (J)	
4/28/2011	0.048 (J)	
10/28/2011	0.044	
5/3/2012	0.047	
11/9/2012	0.055 (V)	
5/9/2013	0.049	
11/5/2013	0.045	
5/22/2014	0.04	
11/13/2014	0.045	
5/24/2015	0.045	
11/11/2015	0.045	
4/12/2016	0.0519	
6/16/2016	0.045	
8/11/2016	0.04	
10/4/2016	0.044	
11/30/2016	0.044	
2/7/2017	0.044	
4/6/2017	0.041	
6/20/2017	0.045	
10/4/2017	0.047	
3/20/2018	0.045	
10/2/2018	0.044	
3/26/2019	0.045	
9/10/2019	0.047	
3/18/2020	0.048	
9/9/2020	0.047	
4/1/2021		0.044
8/12/2021		0.048

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/11/2010	0.032 (J)	
6/17/2010	0.031 (J)	
7/27/2010	0.035 (J)	
9/7/2010	0.032 (J)	
4/29/2011	0.031 (J)	
10/28/2011	0.03	
5/3/2012	0.032	
11/10/2012	0.028 (V)	
5/9/2013	0.029	
11/6/2013	0.03 (V)	
5/22/2014	0.029	
11/9/2014	0.032	
5/24/2015	0.029	
11/10/2015	0.026	
4/12/2016	0.033	
6/16/2016	0.028	
8/11/2016	0.026	
10/5/2016	0.03	
11/30/2016	0.03	
2/8/2017	0.033	
4/6/2017	0.033	
6/21/2017	0.03	
10/5/2017	0.028	
3/21/2018	<0.03 (X)	
10/3/2018	0.028	
3/26/2019	0.03	
9/12/2019	0.035	
3/19/2020	0.032	
9/10/2020	0.031	
4/5/2021		0.029
8/11/2021		0.031



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	0.039	
6/17/2010	0.017	
7/28/2010	0.071 (O)	
9/7/2010	0.026	
4/29/2011	0.016	
10/28/2011	0.014	
5/3/2012	0.017	
11/9/2012	0.022 (V)	
5/10/2013	0.025	
11/6/2013	0.015	
5/22/2014	0.016	
11/9/2014	0.017	
5/22/2015	0.017	
11/10/2015	0.018	
4/12/2016	0.0169 (D)	
6/20/2016	0.014	
8/12/2016	0.018	
10/5/2016	0.015	
11/30/2016	0.018	
2/8/2017	0.018	
4/6/2017	0.017	
6/21/2017	0.02	
10/5/2017	0.017	
3/21/2018	<0.018 (X)	
10/3/2018	0.016	
3/26/2019	0.015	
9/10/2019	0.014	
3/18/2020	0.013	
9/10/2020	0.015	
4/6/2021		0.014
8/12/2021		0.019

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	0.031 (J)	
6/17/2010	0.033 (J)	
7/28/2010	0.033 (J)	
9/8/2010	0.033 (J)	
4/28/2011	0.039 (J)	
10/29/2011	0.029	
5/3/2012	0.036	
11/10/2012	0.032 (V)	
5/10/2013	0.035	
11/6/2013	0.037	
5/22/2014	0.031	
11/9/2014	0.034	
5/22/2015	0.039	
11/11/2015	0.042	
4/12/2016	0.0386	
6/20/2016	0.031	
8/12/2016	0.033	
10/6/2016	0.042	
11/30/2016	0.04	
2/8/2017	0.042	
4/6/2017	0.041	
6/22/2017	0.047	
10/6/2017	0.045	
3/21/2018	0.045	
10/3/2018	0.042	
3/26/2019	0.053	
9/10/2019	0.037	
3/19/2020	0.045	
9/10/2020	0.045	
4/2/2021		0.047
8/12/2021		0.049

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	0.034 (J)	
6/18/2010	0.028 (J)	
7/27/2010	0.026 (J)	
9/9/2010	0.022 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.014	
5/4/2012	0.017	
11/10/2012	0.014 (V)	
5/9/2013	0.016	
11/6/2013	0.016	
5/22/2014	0.016	
11/9/2014	0.018	
5/24/2015	0.11	
11/11/2015	0.12	
4/19/2016	0.099	
6/22/2016	0.074	
8/16/2016	0.045	
10/6/2016	0.046	
12/1/2016	0.046	
2/9/2017	0.055	
4/6/2017	0.057	
6/21/2017	0.062	
10/5/2017	0.052	
3/22/2018	0.048	
10/3/2018	0.036	
3/27/2019	0.038	
9/11/2019	0.039	
3/18/2020	0.04	
9/9/2020	0.033	
4/1/2021		0.04
8/12/2021		0.036

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	0.053 (J)	
6/18/2010	0.055 (J)	
7/27/2010	0.053 (J)	
9/9/2010	0.05 (J)	
4/30/2011	0.05 (J)	
10/29/2011	0.045	
5/4/2012	0.051	
11/10/2012	0.048 (V)	
5/9/2013	0.048	
11/7/2013	0.049	
5/21/2014	0.048	
11/9/2014	0.053	
5/24/2015	0.061	
11/11/2015	0.063	
4/12/2016	0.0626	
6/20/2016	0.057	
8/12/2016	0.053	
10/6/2016	0.053	
11/30/2016	0.06	
2/9/2017	0.054	
4/6/2017	0.055	
6/21/2017	0.063	
10/6/2017	0.054	
3/21/2018	0.056	
10/3/2018	0.051	
3/26/2019	0.052	
9/11/2019	0.059	
3/18/2020	0.05	
9/10/2020	0.056	
4/5/2021		0.054
8/11/2021		0.054

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	0.029 (J)	
6/18/2010	0.044 (J)	
7/28/2010	0.028 (J)	
9/9/2010	0.029 (J)	
4/30/2011	0.025 (J)	
10/29/2011	0.026	
5/4/2012	0.032	
11/10/2012	0.028 (V)	
5/9/2013	0.03	
11/7/2013	0.031	
5/21/2014	0.029	
11/12/2014	0.031	
5/24/2015	0.039	
11/11/2015	0.032	
4/13/2016	0.0328 (D)	
6/20/2016	0.03	
8/15/2016	0.033	
10/6/2016	0.032	
12/1/2016	0.034	
2/9/2017	0.032	
4/7/2017	0.031	
6/22/2017	0.035	
10/6/2017	0.034	
3/22/2018	0.035	
10/4/2018	0.031	
3/27/2019	0.033	
9/11/2019	0.035	
3/19/2020	0.036	
9/10/2020	0.039	
4/1/2021		0.036
8/11/2021		0.036

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-8A	GWC-8A
5/10/2010	0.05 (J)	
6/19/2010	0.045 (J)	
7/28/2010	0.046 (J)	
9/8/2010	0.071 (J)	
4/30/2011	0.098 (J)	
10/27/2011	0.048	
5/4/2012	0.055	
11/11/2012	0.05 (V)	
5/10/2013	0.12	
11/7/2013	0.044	
5/21/2014	0.037	
11/13/2014	0.085	
5/23/2015	0.054	
11/11/2015	0.059	
4/19/2016	0.0415	
10/10/2016	0.034	
12/1/2016	0.037	
2/9/2017	0.043	
4/7/2017	0.019	
6/21/2017	0.017	
8/15/2017	0.021	
9/1/2017	0.02	
10/9/2017	0.019	
3/22/2018	0.019	
10/4/2018	0.012	
3/27/2019	0.025	
9/11/2019	0.022	
3/18/2020	0.043	
9/9/2020	0.053	
4/5/2021		0.045
8/12/2021		0.026

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	0.026 (J)	
6/16/2010	0.026 (J)	
7/27/2010	0.029 (J)	
9/8/2010	0.027 (J)	
4/29/2011	0.02 (J)	
10/27/2011	0.02	
5/3/2012	0.021	
11/11/2012	0.028 (V)	
5/9/2013	0.026	
11/6/2013	0.026	
5/21/2014	0.023	
11/12/2014	0.038	
5/23/2015	0.021	
11/12/2015	0.02	
4/13/2016	0.0164 (D)	
6/22/2016	0.0238	
8/15/2016	0.02	
10/6/2016	0.021	
12/1/2016	0.025	
2/8/2017	0.017	
4/6/2017	0.019	
6/21/2017	0.026	
10/5/2017	0.022	
3/21/2018	<0.021 (X)	
10/2/2018	0.023	
3/27/2019	0.018	
9/11/2019	0.028	
3/18/2020	0.013	
9/9/2020	0.025	
4/1/2021		0.018
8/12/2021		0.023

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	0.0021	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025
8/11/2021		<0.0025



# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
6/22/2016	<0.0025	
8/16/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025
8/12/2021		0.00022 (J)

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/20/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	0.00018 (J)	
4/1/2021		<0.0025
8/11/2021		<0.0025

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/30/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/10/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/21/2017	<0.0025	
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/9/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/5/2021		0.00038 (J)
8/12/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00013 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/10/2020	0.001 (J)	
4/1/2021		<0.0025
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		0.00038 (J)
8/12/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	0.001	
4/30/2011	0.0014	
10/27/2011	0.0011	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	0.0016	
11/7/2013	0.001	
5/21/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	0.000379 (J)	
10/10/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	0.00037 (J)	
4/7/2017	<0.0025	
6/21/2017	<0.0025	
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/9/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/5/2021		0.0003 (J)
8/12/2021		<0.0025

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	0.0036	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/22/2015	<0.002	
11/11/2015	<0.002	
4/6/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/4/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002 (D)	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0023 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002



# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	0.003 (J)	
6/16/2010	0.0042 (J)	
7/27/2010	0.0048 (J)	
9/7/2010	0.0037 (J)	
4/29/2011	0.0046 (J)	
10/28/2011	0.005	
5/2/2012	0.0052	
11/9/2012	0.0054	
5/8/2013	0.0058	
11/6/2013	0.0062 (J)	
5/20/2014	0.0047 (J)	
11/8/2014	0.0064 (J)	
5/22/2015	0.0059 (J)	
11/9/2015	0.0043 (J)	
4/6/2016	0.00457 (J)	
6/15/2016	<0.01	
8/10/2016	0.0042	
10/4/2016	0.0052	
11/29/2016	0.004	
2/7/2017	0.004	
4/4/2017	0.0021 (J)	
6/20/2017	0.0046	
10/5/2017	0.005	
3/20/2018	0.0044	
10/2/2018	0.0043	
3/26/2019	0.0046	
9/10/2019	0.0076	
3/18/2020	0.0044	
9/9/2020	0.005	
4/1/2021		0.0053
8/11/2021		0.0059

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	0.0032 (J)	
6/16/2010	0.0037 (J)	
7/26/2010	0.0058	
9/7/2010	0.0078	
4/29/2011	0.005	
10/28/2011	0.0068	
5/2/2012	0.0065	
11/9/2012	0.006	
5/8/2013	0.0074	
11/6/2013	0.0082 (J)	
5/20/2014	0.0051 (J)	
11/8/2014	0.0074 (J)	
5/22/2015	0.0084 (J)	
11/9/2015	0.009 (J)	
4/6/2016	0.00779 (J)	
6/15/2016	<0.01	
8/10/2016	0.0068	
10/5/2016	0.0076	
11/29/2016	0.0045	
2/7/2017	0.0067	
4/4/2017	0.0079	
6/20/2017	0.0084	
10/5/2017	0.0061	
3/20/2018	0.006	
10/2/2018	0.0061	
3/26/2019	0.0065	
9/10/2019	0.012	
3/18/2020	0.0083	
9/9/2020	0.0088	
4/1/2021		0.0082
8/11/2021		0.0089

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	0.0077	
6/17/2010	0.0053	
7/27/2010	0.0085	
9/9/2010	0.0076	
4/28/2011	0.0048 (J)	
10/29/2011	0.0093	
5/3/2012	0.01	
11/9/2012	0.009	
5/9/2013	0.0085	
11/5/2013	0.015	
5/23/2014	0.012	
11/13/2014	0.011	
5/23/2015	0.012	
11/11/2015	0.014	
4/12/2016	0.0135	
6/16/2016	0.014	
8/11/2016	0.013	
10/4/2016	0.014	
11/30/2016	0.013	
2/7/2017	0.013	
4/5/2017	0.014	
6/20/2017	0.013	
10/4/2017	0.015	
3/20/2018	0.013	
10/2/2018	0.014	
3/26/2019	0.013	
9/10/2019	0.018	
3/18/2020	0.014	
9/9/2020	0.014	
4/1/2021		0.014
8/18/2021		0.014

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.0095	
7/28/2010	0.01	
9/8/2010	0.011	
4/29/2011	0.0096	
10/27/2011	0.011	
5/4/2012	0.01	
11/11/2012	0.01	
5/9/2013	0.011	
11/5/2013	0.015	
5/21/2014	0.013	
11/12/2014	0.012	
5/23/2015	0.014	
11/12/2015	0.016	
4/13/2016	0.0152 (D)	
6/21/2016	0.016	
8/15/2016	0.015	
10/5/2016	0.016	
12/1/2016	0.015	
2/8/2017	0.017	
4/6/2017	0.018	
6/21/2017	0.017	
10/5/2017	0.018	
3/21/2018	0.017 (J+X)	
10/2/2018	0.018	
3/27/2019		0.017
9/11/2019		0.023
3/18/2020		0.02
9/9/2020		0.018
4/1/2021		0.02
10/18/2021		0.019

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	0.011	
6/16/2010	0.012	
7/27/2010	0.012	
9/8/2010	0.011	
4/29/2011	0.01	
10/27/2011	0.0077	
5/4/2012	0.0082	
11/10/2012	0.007	
5/9/2013	0.0079	
11/6/2013	0.011	
5/20/2014	0.0076 (J)	
11/12/2014	0.0071 (J)	
5/24/2015	0.0083 (J)	
11/12/2015	0.0069 (J)	
4/13/2016	0.00804 (JD)	
6/21/2016	0.0086 (J)	
8/15/2016	0.0073	
10/5/2016	0.0077	
12/1/2016	0.0075	
2/8/2017	0.0078	
4/6/2017	0.0079	
6/20/2017	0.0078	
10/5/2017	0.0081	
3/21/2018	<0.0081 (X)	
10/2/2018	0.0075	
3/27/2019	0.007	
9/11/2019	0.011	
3/18/2020	0.0086	
9/10/2020	0.009	
4/1/2021		0.0078
8/11/2021		0.0078

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	<0.002	
6/18/2010	<0.002	
7/27/2010	0.002 (J)	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	0.0031 (J)	
5/20/2014	0.002 (J)	
11/12/2014	<0.002	
5/23/2015	0.0027 (J)	
11/12/2015	0.0022 (J)	
4/13/2016	<0.002 (D)	
6/21/2016	0.0012 (J)	
8/15/2016	0.0021 (J)	
10/5/2016	0.0013 (J)	
12/1/2016	0.0015 (J)	
2/8/2017	0.0016 (J)	
4/5/2017	0.0014 (J)	
6/20/2017	0.0015 (J)	
10/5/2017	0.0015 (J)	
3/21/2018	<0.002 (XD)	
10/2/2018	0.0012 (J)	
3/26/2019	0.0013 (J)	
9/11/2019	0.0036	
3/18/2020	0.0016 (J)	
9/10/2020	<0.002	
4/1/2021		0.0015 (J)
8/11/2021		<0.002

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	0.0051	
6/18/2010	0.0043 (J)	
7/29/2010	0.0058	
9/9/2010	0.0052	
4/26/2011	0.0025 (J)	
10/28/2011	0.0035 (J)	
5/4/2012	0.0073	
11/11/2012	0.004 (J)	
5/8/2013	0.006	
11/7/2013	0.0068 (J)	
5/20/2014	0.0039 (J)	
11/12/2014	0.0039 (J)	
5/24/2015	0.004 (J)	
11/12/2015	0.0077 (J)	
4/13/2016	0.0038 (JD)	
6/21/2016	0.0035 (J)	
8/15/2016	0.0034	
10/7/2016	0.0037	
12/1/2016	0.0037	
2/9/2017	0.0038	
4/6/2017	0.0039	
6/22/2017	0.0042	
10/6/2017	0.0039	
3/22/2018	0.028 (Q)	
10/3/2018	0.0056	
3/26/2019	0.0048	
9/11/2019	0.0075	
3/18/2020	0.008	
9/10/2020	0.0054	
4/6/2021		0.0061
8/11/2021		0.0051

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	0.0036	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
6/21/2016	0.0006 (J)	
8/15/2016	<0.002	
10/4/2016	<0.002	
12/1/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.0038	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002



# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-18	GWC-18
5/10/2010	0.012	
6/16/2010	0.014	
7/26/2010	0.013	
9/7/2010	0.015	
4/29/2011	0.014	
10/28/2011	0.014	
5/2/2012	0.017	
11/9/2012	0.014	
5/8/2013	0.017	
11/6/2013	0.017	
5/23/2014	0.013	
11/8/2014	0.018	
5/22/2015	0.02	
11/10/2015	0.013	
4/11/2016	0.0139	
6/16/2016	0.014	
8/11/2016	0.016	
10/5/2016	0.014	
11/29/2016	0.013	
2/8/2017	0.013	
4/6/2017	0.014	
6/21/2017	0.013	
10/5/2017	0.014	
3/20/2018	0.014	
10/2/2018	0.014	
3/26/2019	0.014	
9/11/2019	0.017	
3/18/2020	0.014	
9/9/2020	0.013	
4/1/2021		0.014
8/11/2021		0.014

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	0.0039 (J)	
6/16/2010	0.0049 (J)	
7/27/2010	0.0047 (J)	
9/7/2010	0.0057	
4/29/2011	0.0087	
10/28/2011	0.0075	
5/2/2012	0.011	
11/9/2012	0.0076	
5/9/2013	0.0088	
11/6/2013	0.011	
5/22/2014	0.0057 (J)	
11/8/2014	0.013	
5/23/2015	0.014	
11/10/2015	0.0091 (J)	
4/11/2016	0.00767 (J)	
6/16/2016	<0.01	
8/11/2016	0.0085	
10/5/2016	0.01	
11/29/2016	0.0087	
2/8/2017	0.0093	
4/5/2017	0.0098	
6/21/2017	0.0094	
10/5/2017	0.0096	
3/20/2018	0.0097	
10/2/2018	0.0097	
3/26/2019	0.0091	
9/12/2019	0.012	
3/19/2020	0.012	
9/9/2020	0.011	
4/5/2021		0.012
8/11/2021		0.013

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	0.0051	
6/19/2010	<0.011	
7/27/2010	0.01	
9/9/2010	0.0072	
4/28/2011	0.0077	
10/28/2011	0.011	
5/3/2012	0.011	
11/9/2012	0.0089	
5/9/2013	0.0089	
11/5/2013	0.011	
5/22/2014	0.01	
11/13/2014	0.0084 (J)	
5/24/2015	0.0095 (J)	
11/11/2015	0.011	
4/12/2016	0.0122	
6/16/2016	<0.011	
8/11/2016	0.01	
10/4/2016	0.011	
11/30/2016	0.0098	
2/7/2017	0.0096	
4/6/2017	0.01	
6/20/2017	0.01	
10/4/2017	0.011	
3/20/2018	0.0099	
10/2/2018	0.01	
3/26/2019	0.0096	
9/10/2019	0.014	
3/18/2020	0.011	
9/9/2020	0.01	
4/1/2021		0.0057
8/12/2021		0.012

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-20	GWC-20
5/11/2010	0.0063	
6/17/2010	0.0053	
7/27/2010	0.0064	
9/7/2010	0.0078	
4/29/2011	0.0065	
10/28/2011	0.0092	
5/3/2012	0.011	
11/10/2012	0.0073	
5/9/2013	0.0098	
11/6/2013	0.011	
5/22/2014	0.0097 (J)	
11/9/2014	0.012	
5/24/2015	0.016	
11/10/2015	0.0088 (J)	
4/12/2016	0.00965 (J)	
6/16/2016	<0.0085	
8/11/2016	0.0083	
10/5/2016	0.0094	
11/30/2016	0.0084	
2/8/2017	0.0091	
4/6/2017	0.011	
6/21/2017	0.0081	
10/5/2017	0.0083	
3/21/2018	<0.0085 (X)	
10/3/2018	0.0091	
3/26/2019	0.0092	
9/12/2019	0.011	
3/19/2020	0.0094	
9/10/2020	0.009	
4/5/2021		0.008
8/11/2021		0.0087

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	0.01	
6/17/2010	0.0087	
7/28/2010	0.028 (O)	
9/7/2010	0.022	
4/29/2011	0.0099	
10/28/2011	0.0089	
5/3/2012	0.0091	
11/9/2012	0.008	
5/10/2013	0.019	
11/6/2013	0.013	
5/22/2014	0.0093 (J)	
11/9/2014	0.0098 (J)	
5/22/2015	0.01	
11/10/2015	0.011	
4/12/2016	0.00925 (JD)	
6/20/2016	0.0076 (J)	
8/12/2016	0.0079	
10/5/2016	0.0085	
11/30/2016	0.0086	
2/8/2017	0.011	
4/6/2017	0.0098	
6/21/2017	0.011	
10/5/2017	0.01	
3/21/2018	<0.0093 (X)	
10/3/2018	0.0081	
3/26/2019	0.0075	
9/10/2019	0.0092	
3/18/2020	0.0049	
9/10/2020	0.0061	
4/6/2021		0.0074
8/12/2021		0.0085

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	0.0046 (J)	
6/17/2010	0.007	
7/28/2010	0.0084	
9/8/2010	0.0071	
4/28/2011	0.008	
10/29/2011	0.0054	
5/3/2012	0.0065	
11/10/2012	0.0059	
5/10/2013	0.0083	
11/6/2013	0.0099 (J)	
5/22/2014	0.0049 (J)	
11/9/2014	0.0068 (J)	
5/22/2015	0.0087 (J)	
11/11/2015	0.0084 (J)	
4/12/2016	0.00419 (J)	
6/20/2016	0.0043 (J)	
8/12/2016	0.0037	
10/6/2016	0.0062	
11/30/2016	0.0043	
2/8/2017	0.0052	
4/6/2017	0.005	
6/22/2017	0.0052	
10/6/2017	0.0049	
3/21/2018	<0.0062 (X)	
10/3/2018	0.0039	
3/26/2019	0.0084	
9/10/2019	0.0067	
3/19/2020	0.0045	
9/10/2020	0.0055	
4/2/2021		0.0052
8/12/2021		0.0045

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	0.004 (J)	
6/18/2010	0.0056	
7/27/2010	0.0051	
9/9/2010	0.0037 (J)	
4/29/2011	0.0036 (J)	
10/28/2011	0.0026 (J)	
5/4/2012	0.0031 (J)	
11/10/2012	<0.005	
5/9/2013	0.0033 (J)	
11/6/2013	0.0045 (J)	
5/22/2014	0.0035 (J)	
11/9/2014	0.0062 (J)	
5/24/2015	0.012	
11/11/2015	0.0068 (J)	
4/19/2016	0.00368 (J)	
6/22/2016	0.0031 (J)	
8/16/2016	0.0028	
10/6/2016	0.003	
12/1/2016	0.0022 (J)	
2/9/2017	0.0035	
4/6/2017	0.0032	
6/21/2017	0.0031	
10/5/2017	0.0029	
3/22/2018	0.0086 (J+X)	
10/3/2018	0.003	
3/27/2019	0.0039	
9/11/2019	0.0079	
3/18/2020	0.0052	
9/9/2020	0.0048	
4/1/2021		0.0058
8/12/2021		0.0053

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	<0.012	
6/18/2010	0.0063	
7/27/2010	0.004 (J)	
9/9/2010	0.0053	
4/30/2011	0.0035 (J)	
10/29/2011	0.0048 (J)	
5/4/2012	0.0064	
11/10/2012	0.0084	
5/9/2013	0.0041 (J)	
11/7/2013	0.0077 (J)	
5/21/2014	0.0044 (J)	
11/9/2014	0.0071 (J)	
5/24/2015	0.01	
11/11/2015	0.0053 (J)	
4/12/2016	0.00493 (J)	
6/20/2016	0.0043 (J)	
8/12/2016	0.0037	
10/6/2016	0.004	
11/30/2016	0.0035	
2/9/2017	0.0041	
4/6/2017	0.0038	
6/21/2017	0.004	
10/6/2017	0.0038	
3/21/2018	<0.012 (X)	
10/3/2018	0.0042	
3/26/2019	0.0044	
9/11/2019	0.0078	
3/18/2020	0.0046	
9/10/2020	0.0049	
4/5/2021		0.005
8/11/2021		0.005



# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	0.007	
6/18/2010	0.011	
7/28/2010	0.0092	
9/9/2010	0.01	
4/30/2011	0.012	
10/29/2011	0.012	
5/4/2012	0.013	
11/10/2012	0.0097	
5/9/2013	0.013	
11/7/2013	0.013	
5/21/2014	0.0091 (J)	
11/12/2014	0.0097 (J)	
5/24/2015	0.018	
11/11/2015	0.0086 (J)	
4/13/2016	0.00924 (JD)	
6/20/2016	0.0084 (J)	
8/15/2016	0.0083	
10/6/2016	0.0081	
12/1/2016	0.0083	
2/9/2017	0.0087	
4/7/2017	0.009	
6/22/2017	0.0092	
10/6/2017	0.0095	
3/22/2018	0.0086 (J+X)	
10/4/2018	0.0083	
3/27/2019	0.0088	
9/11/2019	0.013	
3/19/2020	0.011	
9/10/2020	0.0098	
4/1/2021		0.0091
8/11/2021		0.0092

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.002	
6/19/2010	<0.002	
7/28/2010	0.0034 (J)	
9/8/2010	0.014	
4/30/2011	0.022	
10/27/2011	0.0064	
5/4/2012	0.0059	
11/11/2012	0.011	
5/10/2013	0.038 (O)	
11/7/2013	0.012	
5/21/2014	0.0048 (J)	
11/13/2014	0.023	
5/23/2015	0.015	
11/11/2015	0.016	
4/19/2016	0.0086 (J)	
10/10/2016	0.0052	
12/1/2016	0.0062	
2/9/2017	0.0091	
4/7/2017	<0.002	
6/21/2017	<0.002	
8/15/2017	<0.002	
9/1/2017	<0.002	
10/9/2017	<0.002	
3/22/2018	0.0079 (J+X)	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	0.0052	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002
8/12/2021		<0.002

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	0.0097	
6/16/2010	0.0074	
7/27/2010	0.0068	
9/8/2010	0.007	
4/29/2011	0.0062	
10/27/2011	0.0084	
5/3/2012	0.0099	
11/11/2012	0.0073	
5/9/2013	0.0085	
11/6/2013	0.013	
5/21/2014	0.0097 (J)	
11/12/2014	0.0072 (J)	
5/23/2015	0.0095 (J)	
11/12/2015	0.0046 (J)	
4/13/2016	0.00627 (JD)	
6/22/2016	0.0079 (J)	
8/15/2016	0.0075	
10/6/2016	0.0071	
12/1/2016	0.007	
2/8/2017	0.0047	
4/6/2017	0.006	
6/21/2017	0.0071	
10/5/2017	0.008	
3/21/2018	<0.0046 (X)	
10/2/2018	0.0081	
3/27/2019	0.0064	
9/11/2019	0.012	
3/18/2020	0.0066	
9/9/2020	0.0081	
4/1/2021		0.0018 (J)
8/12/2021		0.0077

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15	GWA-15
5/9/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/6/2016	0.00261 (O)	
6/15/2016	0.00092 (J)	
8/10/2016	0.00076 (J)	
10/4/2016	0.00081 (J)	
11/30/2016	0.00061 (J)	
2/7/2017	<0.0025	
4/4/2017	0.00084 (J)	
6/20/2017	0.0012 (J)	
10/4/2017	0.00087 (J)	
3/20/2018	0.0018 (JD)	
10/2/2018	0.0011 (J)	
3/26/2019	0.0019 (J)	
9/10/2019	0.0012 (J)	
3/18/2020	0.0017 (J)	
9/9/2020	0.0016 (J)	
4/1/2021		0.0024 (J)
8/11/2021		0.0011 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	0.003 (O)	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	2.2E-05 (J)	
8/10/2016	<0.0025	
10/4/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00031 (J)	
3/18/2020	0.00034 (J)	
9/9/2020	<0.0025	
4/1/2021		0.00014 (J)
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	8.4E-05 (J)	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00052 (J)	
3/18/2020	<0.0025	
9/9/2020	0.00019 (J)	
4/1/2021		<0.0025
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/5/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	0.00017 (J)	
9/9/2020	<0.0025	
4/1/2021		<0.0025
8/18/2021		0.00025 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/23/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025
10/18/2021		<0.0025



# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/10/2020	0.00033 (J)	
4/1/2021		<0.0025
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	<0.0004	
6/18/2010	<0.0004	
7/27/2010	<0.0004	
9/8/2010	<0.0004	
4/29/2011	<0.0004	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/6/2013	<0.0004	
5/20/2014	<0.0004	
11/12/2014	<0.0004	
5/23/2015	<0.0004	
11/12/2015	<0.0004	
4/13/2016	<0.0004 (D)	
6/21/2016	0.0004 (J)	
8/15/2016	0.00042 (J)	
10/5/2016	0.00049 (J)	
12/1/2016	<0.0004	
2/8/2017	<0.0004	
4/5/2017	<0.0004	
6/20/2017	0.0004 (J)	
10/5/2017	0.00041 (J)	
3/21/2018	<0.0004	
10/2/2018	<0.0004	
3/26/2019	<0.0004	
9/11/2019	0.00042 (J)	
3/18/2020	0.00013 (J)	
9/10/2020	0.00057 (J)	
4/1/2021		0.00028 (J)
8/11/2021		0.00033 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/23/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	0.0032 (O)	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/11/2019	0.00023 (J)	
3/18/2020	0.00018 (J)	
9/9/2020	0.00014 (J)	
4/1/2021		<0.0025
8/11/2021		0.00021 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/8/2014	<0.0025	
5/23/2015	<0.0025	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/5/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/12/2019	0.00021 (J)	
3/19/2020	0.00014 (J)	
9/9/2020	<0.0025	
4/5/2021		<0.0025
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00015 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025
8/12/2021		0.0002 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/10/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	0.00012 (J)	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	0.0005 (J)	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	<0.0025	
9/12/2019	0.00021 (J)	
3/19/2020	0.00026 (J)	
9/10/2020	0.00018 (J)	
4/5/2021		<0.0025
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	<0.0004	
6/17/2010	<0.0004	
7/28/2010	0.0034 (O)	
9/7/2010	<0.0004	
4/29/2011	0.0037 (O)	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/9/2012	<0.0004	
5/10/2013	<0.0004	
11/6/2013	<0.0004	
5/22/2014	<0.0004	
11/9/2014	<0.0004	
5/22/2015	<0.0004	
11/10/2015	<0.0004	
4/12/2016	<0.0004 (D)	
6/20/2016	0.0001 (J)	
8/12/2016	0.00042 (J)	
10/5/2016	<0.0004	
11/30/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	<0.0004	
6/21/2017	0.00042 (J)	
10/5/2017	<0.0004	
3/21/2018	<0.0004	
10/3/2018	<0.0004	
3/26/2019	<0.0004	
9/10/2019	0.00028 (J)	
3/18/2020	0.00014 (J)	
9/10/2020	0.00023 (J)	
4/6/2021		0.00031 (J)
8/12/2021		0.00067 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/10/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	0.00016 (J)	
8/12/2016	<0.0025	
10/6/2016	0.00068 (J)	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	0.00096 (J)	
9/10/2019	<0.0025	
3/19/2020	0.00021 (J)	
9/10/2020	0.00032 (J)	
4/2/2021		0.00026 (J)
8/12/2021		<0.0025



# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
6/22/2016	<0.0025	
8/16/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	9.9E-05 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025
8/12/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	3E-05 (J)	
8/12/2016	<0.0025	
10/6/2016	<0.0025	
11/30/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	<0.0025	
9/11/2019	8.7E-05 (J)	
3/18/2020	<0.0025	
9/10/2020	<0.0025	
4/5/2021		0.00015 (J)
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/20/2016	8.6E-05 (J)	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	0.00016 (J)	
3/19/2020	0.00013 (J)	
9/10/2020	0.00038 (J)	
4/1/2021		0.00015 (J)
8/11/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/30/2011	0.0063 (O)	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	0.0068 (O)	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/13/2014	0.0046	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/10/2016	<0.0025	
12/1/2016	0.00068 (J)	
2/9/2017	0.0009 (J)	
4/7/2017	0.0011 (J)	
6/21/2017	0.00064 (J)	
8/15/2017	0.001 (J)	
9/1/2017	0.00089 (J)	
10/9/2017	0.00085 (J)	
3/22/2018	<0.0004 (o)	
10/4/2018	0.00048 (J)	
3/27/2019	0.0012 (J)	
9/11/2019	0.00085 (J)	
3/18/2020	0.0027	
9/9/2020	0.0043	
4/5/2021		0.0026
8/12/2021		0.0019 (J)

# Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/3/2012	<0.0025	
11/11/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/23/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/22/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	0.00016 (J)	
3/18/2020	<0.0025	
9/9/2020	0.00023 (J)	
4/1/2021		0.00015 (J)
8/12/2021		0.00013 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
10/4/2016	<0.002	
4/4/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.00095 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.00074 (J)
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.002	
6/16/2010	<0.002	
7/26/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
10/5/2016	<0.002	
4/4/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0012 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	<0.002	
6/17/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/29/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/23/2014	<0.002	
11/13/2014	<0.002	
5/23/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
10/4/2016	<0.002	
4/5/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/18/2021		0.0011 (J)



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	<0.002	
6/16/2010	<0.002	
7/28/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/27/2011	<0.002	
5/4/2012	<0.002	
11/11/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/23/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/2/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
10/18/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/27/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	0.0021 (J)	
3/21/2018	<0.002	
10/2/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	0.0007 (J)	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	<0.002	
6/18/2010	<0.002	
7/29/2010	<0.002	
9/9/2010	<0.002	
4/26/2011	<0.002	
10/28/2011	<0.002	
5/4/2012	0.0024 (J)	
11/11/2012	<0.002	
5/8/2013	<0.002	
11/7/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/7/2016	<0.002	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/22/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	0.0021 (J)	
11/10/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
10/4/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	0.0025 (J)	
7/26/2010	0.0023 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00084 (J)	
3/18/2020	<0.002	
9/9/2020	0.00084 (J)	
4/1/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
10/4/2016	<0.002	
4/6/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.00069 (J)
8/12/2021		0.00078 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/11/2010	<0.002	
6/17/2010	<0.002	
7/27/2010	0.0021 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/24/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/5/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	0.003 (J)	
6/17/2010	<0.002	
7/28/2010	0.012 (O)	
9/7/2010	0.0026 (J)	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/10/2013	0.0042 (J)	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002 (D)	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0011 (J)	
3/18/2020	<0.002	
9/10/2020	0.00072 (J)	
4/6/2021		0.00088 (J)
8/12/2021		0.0019 (J)



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	<0.002	
6/17/2010	0.0022 (J)	
7/28/2010	0.0033 (J)	
9/8/2010	<0.002	
4/28/2011	0.0037 (J)	
10/29/2011	<0.002	
5/3/2012	0.0031 (J)	
11/10/2012	0.0021 (J)	
5/10/2013	0.0025 (J)	
11/6/2013	0.0032 (J)	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/11/2015	0.002 (J)	
4/12/2016	<0.002	
10/6/2016	0.0022 (J)	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	0.0039	
9/10/2019	0.0017 (J)	
3/19/2020	<0.002	
9/10/2020	0.0011 (J)	
4/2/2021		0.0012 (J)
8/12/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	<0.002	
6/18/2010	0.0026 (J)	
7/27/2010	0.0029 (J)	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	0.0037 (J)	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	<0.002	
5/21/2014	<0.002	
11/9/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
10/6/2016	<0.002	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00066 (J)	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/5/2021		<0.002
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.002	
6/18/2010	0.008 (O)	
7/28/2010	0.0021 (J)	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	0.0022 (J)	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	0.0022 (J)	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
10/6/2016	<0.002	
4/7/2017	<0.002	
10/6/2017	0.0026	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	0.00086 (J)	
3/19/2020	<0.002	
9/10/2020	0.0024	
4/1/2021		0.00094 (J)
8/11/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	0.0036 (J)	
6/19/2010	0.004 (J)	
7/28/2010	0.013	
9/8/2010	0.068	
4/30/2011	0.098	
10/27/2011	0.02	
5/4/2012	0.024	
11/11/2012	0.032	
5/10/2013	0.18	
11/7/2013	0.021	
5/21/2014	0.0089 (J)	
11/13/2014	0.1	
5/23/2015	0.048	
11/11/2015	0.059	
4/19/2016	0.0131 (J)	
10/10/2016	0.0046	
4/7/2017	<0.002	
10/9/2017	<0.002	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002
8/12/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/27/2011	<0.002	
5/3/2012	0.0023	
11/11/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/23/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/6/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	0.0038	
10/2/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002
8/12/2021		<0.002

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	0.0021 (J)	
6/16/2010	0.0028 (J)	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0032 (J)	
10/28/2011	0.0025 (J)	
5/2/2012	<0.001	
11/9/2012	0.0024 (J)	
5/8/2013	0.0051	
11/6/2013	0.0033 (J)	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0036 (J)	
11/9/2015	0.0039 (J)	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00016 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	0.0021 (J)	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0024 (J)	
10/28/2011	0.002 (J)	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0034 (J)	
11/6/2013	0.0028 (J)	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0032 (J)	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00022 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	0.0026 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	0.0036 (J)	
10/29/2011	0.0038 (J)	
5/3/2012	<0.001	
11/9/2012	0.0024 (J)	
5/9/2013	0.0085	
11/5/2013	0.0042 (J)	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	0.0044 (J)	
11/11/2015	0.0042 (J)	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	0.00067 (J)	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00023 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001
8/18/2021		<0.001



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	<0.001	
6/16/2010	0.002 (J)	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	0.003 (J)	
10/27/2011	0.0027 (J)	
5/4/2012	<0.001	
11/11/2012	0.0022 (J)	
5/9/2013	0.007	
11/5/2013	0.0048 (J)	
5/21/2014	<0.001	
11/12/2014	0.002 (J)	
5/23/2015	0.0035 (J)	
11/12/2015	0.0032 (J)	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/5/2016	<0.001	
12/1/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
10/18/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	0.0032 (J)	
10/27/2011	0.0027 (J)	
5/4/2012	<0.001	
11/10/2012	0.0025 (J)	
5/9/2013	0.0051	
11/6/2013	0.0037 (J)	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0037 (J)	
11/12/2015	0.0038 (J)	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/5/2016	<0.001	
12/1/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	0.0017	
9/10/2020	0.00014 (J)	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	<0.001	
6/18/2010	0.0021	
7/29/2010	<0.001	
9/9/2010	<0.001	
4/26/2011	<0.001	
10/28/2011	<0.001	
5/4/2012	<0.001	
11/11/2012	<0.001	
5/8/2013	0.0036	
11/7/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/7/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	0.00061 (J)	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/8/2013	0.0024	
11/5/2013	0.0028	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/4/2016	<0.001	
12/1/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.001	
6/16/2010	0.0023 (J)	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0033 (J)	
10/28/2011	0.0023 (J)	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0052	
11/6/2013	0.003 (J)	
5/23/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0023 (J)	
11/10/2015	0.0025 (J)	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	<0.001	
6/16/2010	0.0022 (J)	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0029 (J)	
10/28/2011	0.0021 (J)	
5/2/2012	<0.001	
11/9/2012	0.002 (J)	
5/9/2013	0.0056	
11/6/2013	0.0035 (J)	
5/22/2014	<0.001	
11/8/2014	<0.001	
5/23/2015	0.0047 (J)	
11/10/2015	0.0044 (J)	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/8/2017	<0.001	
4/5/2017	0.0009 (J)	
6/21/2017	<0.001	
10/5/2017	0.0015	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00014 (J)
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	0.003 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	0.0037 (J)	
10/28/2011	0.003 (J)	
5/3/2012	<0.001	
11/9/2012	0.003 (J)	
5/9/2013	0.0063	
11/5/2013	0.0043 (J)	
5/22/2014	<0.001	
11/13/2014	0.0021 (J)	
5/24/2015	0.0043 (J)	
11/11/2015	0.0032 (J)	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00014 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/11/2010	0.0026 (J)	
6/17/2010	0.0021 (J)	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0032 (J)	
10/28/2011	0.0025 (J)	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	0.0056	
11/6/2013	0.0032 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/24/2015	0.0044 (J)	
11/10/2015	0.0038 (J)	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/5/2021		<0.001
8/11/2021		<0.001



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	0.011	
6/17/2010	0.0027 (J)	
7/28/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0038 (J)	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	0.0029 (J)	
5/10/2013	0.0061	
11/6/2013	0.0025 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	0.0034 (J)	
11/10/2015	0.0021 (J)	
4/12/2016	<0.001 (D)	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/5/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	0.00037 (J)	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/12/2021		0.00014 (J)

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	0.002 (J)	
4/28/2011	0.0042 (J)	
10/29/2011	0.0036 (J)	
5/3/2012	<0.001	
11/10/2012	0.0023 (J)	
5/10/2013	0.0062	
11/6/2013	0.0043 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	0.0046 (J)	
11/11/2015	0.0028 (J)	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/19/2020	0.00019 (J)	
9/10/2020	<0.001	
4/2/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	<0.001	
6/18/2010	0.0024	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/29/2011	0.0028	
10/28/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	0.0061	
11/6/2013	0.0034	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/24/2015	0.0093 (O)	
11/11/2015	0.0071	
4/19/2016	<0.001	
6/22/2016	<0.001	
8/16/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	0.0034 (J)	
10/29/2011	0.0041 (J)	
5/4/2012	<0.001	
11/10/2012	0.0023 (J)	
5/9/2013	0.0067	
11/7/2013	0.0048 (J)	
5/21/2014	<0.001	
11/9/2014	<0.001	
5/24/2015	0.0045 (J)	
11/11/2015	0.0048 (J)	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/5/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	0.0027 (J)	
7/28/2010	<0.001	
9/9/2010	0.002 (J)	
4/30/2011	0.0037 (J)	
10/29/2011	0.0025 (J)	
5/4/2012	<0.001	
11/10/2012	0.003 (J)	
5/9/2013	0.0064	
11/7/2013	0.0037 (J)	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0053 (J)	
11/11/2015	0.0022 (J)	
4/13/2016	<0.001 (D)	
6/20/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.00017 (J)	
4/1/2021		<0.001
8/11/2021		0.00014 (J)

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.001	
6/19/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	0.0023 (J)	
4/30/2011	0.011 (O)	
10/27/2011	0.0055	
5/4/2012	0.0029 (J)	
11/11/2012	0.0052	
5/10/2013	0.023 (O)	
11/7/2013	0.0083	
5/21/2014	<0.001	
11/13/2014	0.0085	
5/23/2015	0.0077	
11/11/2015	0.008	
4/19/2016	<0.001	
10/10/2016	<0.001	
12/1/2016	0.00047 (J)	
2/9/2017	0.0012 (J)	
4/7/2017	<0.001	
6/21/2017	<0.001	
8/15/2017	<0.001	
9/1/2017	<0.001	
10/9/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00034 (J)
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.001	
6/16/2010	0.003 (J)	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	0.0039 (J)	
10/27/2011	0.0043 (J)	
5/3/2012	<0.001	
11/11/2012	0.0025 (J)	
5/9/2013	0.0067	
11/6/2013	0.0069	
5/21/2014	<0.001	
11/12/2014	0.002 (J)	
5/23/2015	0.003 (J)	
11/12/2015	0.0044 (J)	
4/13/2016	<0.001 (D)	
6/22/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15	GWA-15
5/9/2010	<0.0002	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	7E-05 (J)	
11/5/2013	<0.0002	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/22/2015	7.2E-05 (J)	
11/11/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (D)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/11/2021		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	7.4E-05 (J)	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	8E-05 (J)	
11/6/2013	0.00014	
5/20/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/9/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/4/2016	<0.0002	
11/29/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.0002	
6/16/2010	<0.0002	
7/26/2010	<0.0002	
9/7/2010	7.8E-05 (J)	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/6/2013	0.00011	
5/20/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	7.1E-05 (J)	
11/9/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-1	GWC-1
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	<0.0002	
4/28/2011	<0.0002	
10/29/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	7.3E-05 (J)	
5/23/2014	<0.0002	
11/13/2014	<0.0002	
5/23/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	7E-05 (J)	
4/5/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/18/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	8.8E-05 (J)	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	0.00011 (J)	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/23/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/5/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	7.6E-05 (J)	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/17/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/8/2010	<0.0002	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00019	
11/6/2013	0.00014	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/5/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/1/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	8.2E-05 (J)	
6/18/2010	<0.0002	
7/29/2010	<0.0002	
9/9/2010	<0.0002	
4/26/2011	<0.0002	
10/28/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/8/2013	<0.0002	
11/7/2013	0.0001	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/7/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	9.1E-05 (J)	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/8/2013	<0.0002	
11/5/2013	0.00016	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/4/2016	<0.0002	
12/1/2016	<0.0002	
2/7/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/26/2010	<0.0002	
9/7/2010	<0.0002	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/6/2013	<0.0002	
5/23/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/10/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/8/2017	8.9E-05	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/11/2021		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-19	GWC-19
5/11/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	0.00011	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/8/2014	<0.0002	
5/23/2015	<0.0002	
11/10/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/8/2017	7.6E-05 (J)	
4/5/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/9/2020	<0.0002	
6/1/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.0002	
6/19/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	9.3E-05	
4/28/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	0.00011	
5/22/2014	<0.0002	
11/13/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:07 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-20	GWC-20
5/11/2010	8.5E-05	
6/17/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	0.0001	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/10/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	7.5E-05 (J)	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
6/1/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/28/2010	<0.0002	
9/7/2010	0.00012	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/10/2013	0.00014	
11/6/2013	0.00014	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/22/2015	<0.0002	
11/10/2015	<0.0002	
4/12/2016	<0.0002 (D)	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/5/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	<0.0002	
4/28/2011	<0.0002	
10/29/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/10/2013	0.00012	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/22/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/6/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/21/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-5	GWC-5
5/11/2010	<0.0002	
6/18/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	<0.0002	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00016	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/19/2016	<0.0002	
6/22/2016	<0.0002	
8/16/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	<0.0002	
6/18/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	0.00017	
4/30/2011	<0.0002	
10/29/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00014	
11/7/2013	0.00011	
5/21/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/6/2016	<0.0002	
11/30/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/6/2017	<0.0002	
3/21/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
6/2/2021		<0.0002
8/11/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-7	GWC-7
5/10/2010	<0.0002	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/29/2011	7E-05 (J)	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	<0.0002	
11/7/2013	0.00016	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/20/2016	<0.0002	
8/15/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/4/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/19/2020	0.00011 (J)	
9/10/2020	<0.0002	
4/1/2021		<0.0002
8/11/2021		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.0002	
6/19/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	0.00011 (J)	
4/30/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/10/2013	0.00014	
11/7/2013	0.00019	
5/21/2014	<0.0002	
11/13/2014	<0.0002	
5/23/2015	<0.0002	
11/11/2015	<0.0002	
4/19/2016	<0.0002	
10/10/2016	0.000155 (D)	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/21/2017	<0.0002	
8/15/2017	<0.0002	
9/1/2017	<0.0002	
10/9/2017	8.9E-05 (J)	
3/22/2018	<0.0002 (X)	
10/4/2018	<0.0002	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
6/1/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/8/2010	<0.0002	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/3/2012	<0.0002	
11/11/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	8.8E-05	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/23/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/22/2016	<0.0002	
8/15/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/28/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/8/2013	<0.0018	
11/5/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/6/2016	0.00202 (J)	
10/4/2016	<0.0018	
4/4/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.00081 (J)	
3/18/2020	0.00043 (J)	
9/9/2020	0.00069 (J)	
4/1/2021		0.00049 (J)
8/11/2021		0.00051 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
10/4/2016	<0.001	
4/4/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	0.04 (O)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00037 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
10/5/2016	<0.001	
4/4/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.0012	
3/18/2020	<0.001	
9/9/2020	0.00048 (J)	
4/1/2021		0.0004 (J)
8/11/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	0.0086 (O)	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/23/2014	<0.0018	
11/13/2014	<0.0018	
5/23/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/4/2016	<0.0018	
4/5/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.00065 (J)	
3/18/2020	0.00056 (J)	
9/9/2020	0.00047 (J)	
4/1/2021		0.00073 (J)
8/18/2021		0.0017

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/11/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/21/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	0.00271	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	0.0018 (J)	
3/27/2019	<0.0018	
9/11/2019	0.0016	
3/18/2020	0.0016	
9/9/2020	0.0021	
4/1/2021		0.0012
10/18/2021		0.002

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.00066 (J)	
3/18/2020	0.0005 (J)	
9/10/2020	0.0012	
4/1/2021		0.00065 (J)
8/11/2021		0.0006 (J)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00084 (J)	
3/18/2020	0.0006 (J)	
9/10/2020	0.00088 (J)	
4/1/2021		0.00065 (J)
8/11/2021		0.0008 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	<0.001	
6/18/2010	<0.001	
7/29/2010	<0.001	
9/9/2010	<0.001	
4/26/2011	<0.001	
10/28/2011	<0.001	
5/4/2012	<0.001	
11/11/2012	<0.001	
5/8/2013	<0.001	
11/7/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/7/2016	<0.001	
4/6/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	0.00039 (J)	
3/18/2020	0.00061 (J)	
9/10/2020	0.00044 (J)	
4/6/2021		0.00053 (J)
8/11/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/23/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0045 (O)	
11/10/2015	<0.001	
4/11/2016	<0.001	
10/5/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	0.00048 (J)	
3/18/2020	0.00034 (J)	
9/9/2020	0.00064 (J)	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/8/2014	<0.001	
5/23/2015	0.01 (O)	
11/10/2015	<0.001	
4/11/2016	<0.001	
10/5/2016	<0.001	
4/5/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	0.0015	
3/19/2020	0.00047 (J)	
9/9/2020	0.00039 (J)	
4/5/2021		0.00047 (J)
8/11/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	0.0033 (O)	
6/19/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/22/2014	<0.0018	
11/13/2014	<0.0018	
5/24/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	0.00206 (J)	
10/4/2016	0.0023 (J)	
4/6/2017	<0.0018	
10/4/2017	0.0021 (J)	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.0022	
3/18/2020	0.0016	
9/9/2020	0.0016	
4/1/2021		0.0022
8/12/2021		0.0028

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	0.003 (J)	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0063 (O)	
11/10/2015	<0.0018	
4/12/2016	<0.0018	
10/5/2016	<0.0018	
4/6/2017	0.002 (J)	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/12/2019	0.00097 (J)	
3/19/2020	0.00098 (J)	
9/10/2020	0.00098 (J)	
4/5/2021		0.00048 (J)
8/11/2021		0.00056 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	0.019 (O)	
9/7/2010	0.0093 (O)	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	0.0035 (J)	
5/10/2013	0.0081 (O)	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/10/2015	<0.0018	
4/12/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	0.0022 (J)	
10/3/2018	0.0018 (J)	
3/26/2019	<0.0018	
9/10/2019	0.0016	
3/18/2020	0.00091 (J)	
9/10/2020	0.0014	
4/6/2021		0.0018
8/12/2021		0.0029

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/28/2011	<0.0018	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/10/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	0.0021 (J)	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	0.0036	
9/10/2019	0.00079 (J)	
3/19/2020	0.00073 (J)	
9/10/2020	0.0013	
4/2/2021		0.0012
8/12/2021		0.00076 (J)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.006 (O)	
11/11/2015	<0.0018	
4/19/2016	0.00268 (J)	
10/6/2016	<0.0018	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0018	
3/22/2018	0.0019 (J)	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.0007 (J)	
3/18/2020	0.00068 (J)	
9/9/2020	0.00039 (J)	
4/1/2021		0.00042 (J)
8/12/2021		0.00061 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	0.0034	
6/18/2010	0.0046	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/29/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	0.0053	
5/9/2013	<0.0018	
11/7/2013	<0.0018	
5/21/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0047	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00099 (J)	
3/18/2020	0.00062 (J)	
9/10/2020	0.0009 (J)	
4/5/2021		0.00088 (J)
8/11/2021		0.00074 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0044	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/7/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	0.00046 (J)	
3/19/2020	<0.001	
9/10/2020	0.0007 (J)	
4/1/2021		0.00036 (J)
8/11/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.0018	
6/19/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/30/2011	0.008 (O)	
10/27/2011	0.0044 (J)	
5/4/2012	0.0032 (J)	
11/11/2012	0.0069	
5/10/2013	0.0093 (O)	
11/7/2013	0.0033 (J)	
5/21/2014	<0.0018	
11/13/2014	0.0049 (J)	
5/23/2015	0.003 (J)	
11/11/2015	<0.0018	
4/19/2016	0.00247 (J)	
10/10/2016	<0.0018	
4/7/2017	0.0022 (J)	
10/9/2017	<0.0018	
3/22/2018	<0.0018	
10/4/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.0013	
3/18/2020	0.0044	
9/9/2020	0.0036	
4/5/2021		0.0058
8/12/2021		0.0035

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/27/2011	<0.001	
5/3/2012	<0.001	
11/11/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	0.00063 (J)	
3/18/2020	<0.001	
9/9/2020	0.00046 (J)	
4/1/2021		0.00058 (J)
8/12/2021		0.00045 (J)

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/4/2016	<0.005	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/4/2017	0.00067 (J)	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	0.0043	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/4/2016	<0.005	
11/29/2016	0.00024 (J)	
2/7/2017	<0.005	
4/4/2017	0.0017	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	0.0044	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/7/2017	<0.005	
4/4/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	0.00027 (J)	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	0.0053	
11/11/2015	<0.005	
4/12/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/4/2016	0.00037 (J)	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/5/2017	<0.005	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (X)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/18/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	<0.005	
6/16/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	0.0043	
11/12/2015	0.0046	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/17/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	0.005	
11/12/2015	0.0042	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	0.00031 (J)	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	0.004	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/5/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.0052	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/4/2016	<0.005	
12/1/2016	0.00025 (J)	
2/7/2017	<0.005	
4/6/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/23/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	0.0041	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/8/2014	<0.005	
5/23/2015	<0.005	
11/10/2015	0.0044	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/8/2017	<0.005	
4/5/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.005	
6/19/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/22/2014	<0.005	
11/13/2014	<0.005	
5/24/2015	0.0044	
11/11/2015	0.0045	
4/12/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/4/2016	<0.005	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/6/2017	0.0023	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (X)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/12/2021		<0.005



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	<0.005	
6/17/2010	<0.005	
7/28/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005 (D)	
6/20/2016	<0.005	
8/12/2016	0.00036 (J)	
10/5/2016	<0.005	
11/30/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.007	
4/12/2016	<0.005	
6/20/2016	0.00032 (J)	
8/12/2016	0.00035 (J)	
10/6/2016	0.00029 (J)	
11/30/2016	0.00026 (J)	
2/9/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	0.00031 (J)	
10/6/2017	<0.005	
3/21/2018	<0.005 (X)	
10/3/2018	0.00056 (J)	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	0.0053	
11/11/2015	0.0049	
4/13/2016	<0.005 (D)	
6/20/2016	<0.005	
8/15/2016	<0.005	
10/6/2016	<0.005	
12/1/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/6/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.005	
6/19/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/30/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/10/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	0.0045	
11/11/2015	0.0043	
4/19/2016	<0.005	
10/10/2016	<0.005	
12/1/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/21/2017	<0.005	
8/15/2017	<0.005	
9/1/2017	0.00044 (J)	
10/9/2017	<0.005	
3/22/2018	0.00032 (J)	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/3/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	0.0065	
4/13/2016	<0.005 (D)	
6/22/2016	<0.005	
8/15/2016	<0.005	
10/6/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (X)	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	0.00025 (J)	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0003	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00021 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00023 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001



# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00049 (J)	
9/9/2020	<0.001	
4/1/2021		0.00027 (J)
8/18/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/8/2014	<0.001	
5/23/2015	<0.001	
11/10/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/8/2017	<0.001	
4/5/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00032 (J)
8/11/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/22/2014	<0.001	
11/13/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00025 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/10/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/19/2020	0.00036 (J)	
9/10/2020	<0.001	
4/2/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/19/2016	<0.001	
6/22/2016	<0.001	
8/16/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/12/2021		0.00037 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-6	GWC-6
5/11/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/9/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/5/2021		0.0003 (J)
8/11/2021		0.0002 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	0.00027	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	0.00026	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
6/20/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.00019 (J)	
4/1/2021		<0.001
8/11/2021		0.00043 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.001	
6/19/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/30/2011	<0.001	
10/27/2011	<0.001	
5/4/2012	<0.001	
11/11/2012	<0.001	
5/10/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/19/2016	<0.001	
10/10/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/21/2017	<0.001	
8/15/2017	<0.001	
9/1/2017	<0.001	
10/9/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00081 (J)
8/12/2021		0.00043 (J)



# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/27/2011	<0.001	
5/3/2012	<0.001	
11/11/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
6/22/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001
8/12/2021		0.00016 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	0.0035 (J)	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
10/4/2016	0.0031	
4/4/2017	<0.001	
10/4/2017	0.0021 (J)	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.0022	
3/18/2020	0.0011	
9/9/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	0.0049 (J)	
6/16/2010	0.0054 (J)	
7/27/2010	0.0055 (J)	
9/7/2010	0.005 (J)	
4/29/2011	0.005 (J)	
10/28/2011	0.0081 (J)	
5/2/2012	0.0059 (J)	
11/9/2012	0.0062 (J)	
5/8/2013	0.0079 (J)	
11/6/2013	0.0068 (J)	
5/20/2014	0.0074 (J)	
11/8/2014	0.0097 (J)	
5/22/2015	0.0085 (J)	
11/9/2015	<0.01	
4/6/2016	0.00726 (J)	
10/4/2016	0.013	
4/4/2017	0.0046	
10/5/2017	0.0071	
3/20/2018	0.0067	
10/2/2018	0.0069	
3/26/2019	0.007	
9/10/2019	0.01	
3/18/2020	0.0078	
9/9/2020	0.0072	
4/1/2021		0.0078
8/11/2021		0.0082

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	0.0024 (J)	
6/16/2010	0.002 (J)	
7/26/2010	<0.01	
9/7/2010	0.0026 (J)	
4/29/2011	0.0036 (J)	
10/28/2011	<0.01	
5/2/2012	0.003 (J)	
11/9/2012	0.0081 (J)	
5/8/2013	<0.01	
11/6/2013	0.0032 (J)	
5/20/2014	0.0036 (J)	
11/8/2014	0.0065 (J)	
5/22/2015	<0.01	
11/9/2015	0.0047 (J)	
4/6/2016	0.00424 (J)	
10/5/2016	0.0049	
4/4/2017	0.0048	
10/5/2017	0.0024 (J)	
3/20/2018	0.0041	
10/2/2018	0.004	
3/26/2019	0.0051	
9/10/2019	0.0091	
3/18/2020	0.0051	
9/9/2020	0.0053	
4/1/2021		0.005
8/11/2021		0.0055

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	0.012	
6/17/2010	0.0082 (J)	
7/27/2010	0.0096 (J)	
9/9/2010	0.0098 (J)	
4/28/2011	0.0085 (J)	
10/29/2011	0.011	
5/3/2012	0.013	
11/9/2012	0.013	
5/9/2013	0.012	
11/5/2013	0.015	
5/23/2014	0.015	
11/13/2014	0.02	
5/23/2015	0.018	
11/11/2015	0.018	
4/12/2016	0.0173	
10/4/2016	0.021	
4/5/2017	0.017	
10/4/2017	0.02	
3/20/2018	0.016	
10/2/2018	0.017	
3/26/2019	0.017	
9/10/2019	0.02	
3/18/2020	0.02	
9/9/2020	0.018	
4/1/2021		0.019
8/18/2021		0.018

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.01	
7/28/2010	0.011	
9/8/2010	0.011	
4/29/2011	0.01	
10/27/2011	0.014	
5/4/2012	0.0096 (J)	
11/11/2012	0.011	
5/9/2013	0.011	
11/5/2013	0.013	
5/21/2014	0.012	
11/12/2014	0.016	
5/23/2015	0.011	
11/12/2015	0.0053 (J)	
4/13/2016	0.0124 (D)	
10/5/2016	0.013	
4/6/2017	0.013	
10/5/2017	0.015	
3/21/2018	0.012	
10/2/2018	0.012	
3/27/2019	0.012	
9/11/2019	0.017	
3/18/2020	0.013	
9/9/2020	0.012	
4/1/2021		0.013
10/18/2021		0.013

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	0.009 (J)	
6/16/2010	0.0089 (J)	
7/27/2010	0.0089 (J)	
9/8/2010	0.009 (J)	
4/29/2011	0.0082 (J)	
10/27/2011	0.009 (J)	
5/4/2012	0.0091 (J)	
11/10/2012	0.0096 (J)	
5/9/2013	0.01	
11/6/2013	0.01	
5/20/2014	0.011	
11/12/2014	0.012	
5/24/2015	0.012	
11/12/2015	<0.01	
4/13/2016	0.00976 (JD)	
10/5/2016	0.013	
4/6/2017	0.011	
10/5/2017	0.013	
3/21/2018	0.0098	
10/2/2018	0.01	
3/27/2019	0.012	
9/11/2019	0.015	
3/18/2020	0.011	
9/10/2020	0.01	
4/1/2021		0.011
8/11/2021		0.011

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	0.0032 (J)	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/5/2016	<0.001	
4/5/2017	<0.001	
10/5/2017	0.0022 (J)	
3/21/2018	<0.0014 (JX)	
10/2/2018	<0.001	
3/26/2019	0.0029	
9/11/2019	0.0052	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/1/2021		<0.001
8/11/2021		<0.001



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	<0.0014	
6/18/2010	<0.0014	
7/29/2010	<0.0014	
9/9/2010	<0.0014	
4/26/2011	<0.0014	
10/28/2011	<0.0014	
5/4/2012	<0.0014	
11/11/2012	<0.0014	
5/8/2013	0.0039 (J)	
11/7/2013	<0.0014	
5/20/2014	<0.0014	
11/12/2014	0.004 (J)	
5/24/2015	<0.0014	
11/12/2015	<0.0014	
4/13/2016	<0.0014 (D)	
10/7/2016	<0.0014	
4/6/2017	<0.0014	
10/6/2017	0.0032	
3/22/2018	<0.0014	
10/3/2018	<0.0014	
3/26/2019	0.0041	
9/11/2019	0.0062	
3/18/2020	0.001	
9/10/2020	0.0011	
4/6/2021		0.0028
8/11/2021		0.0013

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/4/2016	0.0026	
4/6/2017	<0.001	
10/5/2017	0.0024 (J)	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	0.0034	
9/11/2019	0.0062	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		0.0013
8/11/2021		0.0012

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	0.0052 (J)	
6/16/2010	0.0059 (J)	
7/26/2010	0.0052 (J)	
9/7/2010	0.0056 (J)	
4/29/2011	0.005 (J)	
10/28/2011	0.0048 (J)	
5/2/2012	0.0057 (J)	
11/9/2012	0.0057 (J)	
5/8/2013	0.0069 (J)	
11/6/2013	0.0052 (J)	
5/23/2014	0.0081 (J)	
11/8/2014	0.01	
5/22/2015	0.0052 (J)	
11/10/2015	<0.01	
4/11/2016	0.00604 (J)	
10/5/2016	0.0075	
4/6/2017	0.0065	
10/5/2017	0.0052	
3/20/2018	0.0064	
10/2/2018	0.0064	
3/26/2019	0.0094	
9/11/2019	0.011	
3/18/2020	0.0075	
9/9/2020	0.007	
4/1/2021		0.0081
8/11/2021		0.008

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	0.0064 (J)	
6/16/2010	0.0061 (J)	
7/27/2010	0.006 (J)	
9/7/2010	0.0066 (J)	
4/29/2011	0.0066 (J)	
10/28/2011	0.0057 (J)	
5/2/2012	0.006 (J)	
11/9/2012	0.0073 (J)	
5/9/2013	0.0069 (J)	
11/6/2013	0.0077 (J)	
5/22/2014	0.0075 (J)	
11/8/2014	0.0081 (J)	
5/23/2015	0.01	
11/10/2015	0.0033 (J)	
4/11/2016	0.00756 (J)	
10/5/2016	0.0084	
4/5/2017	0.0086	
10/5/2017	0.0062	
3/20/2018	0.0072	
10/2/2018	0.0073	
3/26/2019	0.0094	
9/12/2019	0.0083	
3/19/2020	0.008	
9/9/2020	0.0071	
4/5/2021		0.0068
8/11/2021		0.0076

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	0.0078 (J)	
6/19/2010	<0.01	
7/27/2010	0.0096 (J)	
9/9/2010	0.0095 (J)	
4/28/2011	0.01	
10/28/2011	0.014	
5/3/2012	0.013	
11/9/2012	0.012	
5/9/2013	0.012	
11/5/2013	0.014	
5/22/2014	0.013	
11/13/2014	0.016	
5/24/2015	0.014	
11/11/2015	0.014	
4/12/2016	0.0155	
10/4/2016	0.017	
4/6/2017	0.015	
10/4/2017	0.015	
3/20/2018	0.014	
10/2/2018	0.015	
3/26/2019	0.016	
9/10/2019	0.018	
3/18/2020	0.016	
9/9/2020	0.014	
4/1/2021		0.014
8/12/2021		0.016

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/11/2010	0.014	
6/17/2010	0.014	
7/27/2010	0.016	
9/7/2010	0.017	
4/29/2011	0.015	
10/28/2011	0.016	
5/3/2012	0.016	
11/10/2012	0.018	
5/9/2013	0.019	
11/6/2013	0.019	
5/22/2014	0.018	
11/9/2014	0.02	
5/24/2015	0.016	
11/10/2015	0.01	
4/12/2016	0.019	
10/5/2016	<0.016	
4/6/2017	0.02	
10/5/2017	0.02	
3/21/2018	0.021	
10/3/2018	0.017	
3/26/2019	0.018	
9/12/2019	0.02	
3/19/2020	0.019	
9/10/2020	0.018	
4/5/2021		0.017
8/11/2021		0.019

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	0.0046 (J)	
6/17/2010	0.0046 (J)	
7/28/2010	0.019 (O)	
9/7/2010	0.0072 (J)	
4/29/2011	0.0052 (J)	
10/28/2011	0.0059 (J)	
5/3/2012	0.0049 (J)	
11/9/2012	0.007 (J)	
5/10/2013	0.0094 (J)	
11/6/2013	0.0059 (J)	
5/22/2014	0.0057 (J)	
11/9/2014	0.0069 (J)	
5/22/2015	0.006 (J)	
11/10/2015	0.011	
4/12/2016	0.00503 (JD)	
10/5/2016	<0.0072	
4/6/2017	0.0056	
10/5/2017	0.0061	
3/21/2018	0.0097	
10/3/2018	0.0053	
3/26/2019	0.0076	
9/10/2019	0.0078	
3/18/2020	0.0051	
9/10/2020	0.0061	
4/6/2021		0.0075
8/12/2021		0.0087

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	0.0068 (J)	
6/17/2010	0.0079 (J)	
7/28/2010	0.0077 (J)	
9/8/2010	0.0077 (J)	
4/28/2011	0.0099 (J)	
10/29/2011	0.006 (J)	
5/3/2012	0.0084 (J)	
11/10/2012	0.0061 (J)	
5/10/2013	0.009 (J)	
11/6/2013	0.0089 (J)	
5/22/2014	0.0084 (J)	
11/9/2014	0.0076 (J)	
5/22/2015	0.011	
11/11/2015	0.0034 (J)	
4/12/2016	0.00654 (J)	
10/6/2016	<0.0086	
4/6/2017	0.0073	
10/6/2017	0.0087	
3/21/2018	0.0058	
10/3/2018	0.006	
3/26/2019	0.011	
9/10/2019	0.0086	
3/19/2020	0.0065	
9/10/2020	0.0068	
4/2/2021		0.0081
8/12/2021		0.007



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	0.0038 (J)	
6/18/2010	0.0044 (J)	
7/27/2010	0.0054 (J)	
9/9/2010	0.0053 (J)	
4/29/2011	0.0039 (J)	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	0.0035 (J)	
5/9/2013	0.004 (J)	
11/6/2013	0.0034 (J)	
5/22/2014	0.0047 (J)	
11/9/2014	0.0067 (J)	
5/24/2015	0.0033 (J)	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/6/2016	<0.0025	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0025	
3/22/2018	0.0018 (J)	
10/3/2018	0.0018 (J)	
3/27/2019	0.002 (J)	
9/11/2019	0.0047	
3/18/2020	0.002	
9/9/2020	0.002	
4/1/2021		0.0027
8/12/2021		0.0021

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	0.0055	
6/18/2010	0.0071 (J)	
7/27/2010	0.0085 (J)	
9/9/2010	0.0088 (J)	
4/30/2011	0.0094 (J)	
10/29/2011	0.009 (J)	
5/4/2012	0.0084 (J)	
11/10/2012	0.0089 (J)	
5/9/2013	0.0071 (J)	
11/7/2013	0.0094 (J)	
5/21/2014	0.0082 (J)	
11/9/2014	0.013	
5/24/2015	0.009 (J)	
11/11/2015	0.0052	
4/12/2016	0.00896 (J)	
10/6/2016	<0.009	
4/6/2017	0.0089	
10/6/2017	0.011	
3/21/2018	0.0077	
10/3/2018	0.0081	
3/26/2019	0.012	
9/11/2019	0.012	
3/18/2020	0.0099	
9/10/2020	0.0094	
4/5/2021		0.0091
8/11/2021		0.0099

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	0.011	
6/18/2010	0.017	
7/28/2010	0.012	
9/9/2010	0.013	
4/30/2011	0.012	
10/29/2011	0.013	
5/4/2012	0.012	
11/10/2012	0.012	
5/9/2013	0.013	
11/7/2013	0.014	
5/21/2014	0.013	
11/12/2014	0.015	
5/24/2015	0.015	
11/11/2015	0.0055 (J)	
4/13/2016	0.0127 (D)	
10/6/2016	<0.012	
4/7/2017	0.013	
10/6/2017	0.015	
3/22/2018	0.012	
10/4/2018	0.012	
3/27/2019	0.013	
9/11/2019	0.015	
3/19/2020	0.014	
9/10/2020	0.014	
4/1/2021		0.014
8/11/2021		0.013

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	0.013	
6/19/2010	0.0075 (J)	
7/28/2010	0.01	
9/8/2010	0.038	
4/30/2011	0.053 (O)	
10/27/2011	0.016	
5/4/2012	0.018	
11/11/2012	0.025	
5/10/2013	0.09 (O)	
11/7/2013	0.02	
5/21/2014	0.016	
11/13/2014	0.065 (O)	
5/23/2015	0.032	
11/11/2015	0.033	
4/19/2016	0.0233	
10/10/2016	0.019 (D)	
4/7/2017	0.0044	
10/9/2017	0.0047	
3/22/2018	0.0043	
10/4/2018	<0.001	
3/27/2019	0.003	
9/11/2019	0.0042	
3/18/2020	0.0031	
9/9/2020	<0.001	
4/5/2021		0.0023
8/12/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	0.0097 (J)	
6/16/2010	0.01	
7/27/2010	0.012	
9/8/2010	0.013	
4/29/2011	0.0097 (J)	
10/27/2011	0.015	
5/3/2012	0.017	
11/11/2012	0.017	
5/9/2013	0.014	
11/6/2013	0.019	
5/21/2014	0.016	
11/12/2014	0.022	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0144 (D)	
10/6/2016	<0.02	
4/6/2017	0.016	
10/5/2017	0.024	
3/21/2018	0.018	
10/2/2018	0.021	
3/27/2019	0.019	
9/11/2019	0.025	
3/18/2020	0.012	
9/9/2020	0.022	
4/1/2021		0.0095
8/12/2021		0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/6/2016	<0.005	
10/4/2016	<0.005	
4/4/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.006	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/9/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	<0.005	
10/4/2016	<0.005	
4/4/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0047 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/8/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	0.00274 (J)	
10/5/2016	0.0073 (J)	
4/4/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0084	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/4/2016	<0.005	
4/5/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0038 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/18/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/10/2010	<0.005	
6/16/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.004 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
10/18/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	0.00241 (JD)	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	0.007 (J)	
10/2/2018	0.022 (O)	
3/27/2019	<0.005	
9/11/2019	0.0072	
3/18/2020	<0.005	
9/10/2020	0.018	
4/1/2021		0.0034 (J)
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/9/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	0.00409 (JD)	
10/5/2016	<0.005	
4/5/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0065	
3/18/2020	0.005	
9/10/2020	0.0037 (J)	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/9/2010	<0.005	
6/18/2010	<0.005	
7/29/2010	<0.005	
9/9/2010	<0.005	
4/26/2011	<0.005	
10/28/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/8/2013	<0.005	
11/7/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	0.00289 (JD)	
10/7/2016	<0.005	
4/6/2017	<0.005	
10/6/2017	0.0071 (J)	
3/22/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0085	
3/18/2020	0.0052	
9/10/2020	0.0038 (J)	
4/6/2021		0.004 (J)
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/13/2016	<0.005 (D)	
10/4/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0038 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/10/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/23/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/11/2016	<0.005	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0077	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/11/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/8/2014	<0.005	
5/23/2015	<0.005	
11/10/2015	<0.005	
4/11/2016	<0.005	
10/5/2016	0.0085 (O)	
4/5/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	0.0059	
3/19/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005
8/11/2021		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/11/2010	<0.005	
6/19/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/22/2014	<0.005	
11/13/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/4/2016	<0.005	
4/6/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.004 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		0.01
8/12/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	0.0065	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/11/2010	0.018 (O)	
6/17/2010	<0.005	
7/28/2010	0.016 (O)	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005 (D)	
10/5/2016	0.01 (O)	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0069	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005
8/12/2021		0.0035 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/11/2010	<0.005	
6/17/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	0.00203 (J)	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/6/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.006	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.0089 (J)	
4/19/2016	0.0133 (O)	
10/6/2016	<0.005	
4/6/2017	0.0087 (J)	
10/5/2017	0.0078 (J)	
3/22/2018	0.0086 (J)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0074	
3/18/2020	0.0045 (J)	
9/9/2020	<0.005	
4/1/2021		<0.005
8/12/2021		0.0034 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/6/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0062	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/10/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/13/2016	<0.005 (D)	
10/6/2016	<0.005	
4/7/2017	<0.005	
10/6/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0074	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005
8/11/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/10/2010	<0.005	
6/19/2010	0.0081 (J)	
7/28/2010	0.017 (J)	
9/8/2010	0.085	
4/30/2011	0.13 (O)	
10/27/2011	0.03	
5/4/2012	0.029	
11/11/2012	0.046	
5/10/2013	0.23 (O)	
11/7/2013	0.028	
5/21/2014	0.015 (J)	
11/13/2014	0.13 (O)	
5/23/2015	0.059	
11/11/2015	0.079	
4/19/2016	0.0218	
10/10/2016	0.013 (J)	
4/7/2017	<0.005	
10/9/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0052	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005
8/12/2021		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 12/2/2021 1:08 PM View: PLs Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/3/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0037 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005
8/12/2021		<0.005

FIGURE E.

# Appendix III Intrawell Prediction Limit - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Calcium (mg/L)	GWC-19	15.99	n/a	10/7/2021	17	Yes	15	11.46	1.718	0	None	No	0.0004426 Param Intra 1 of 2
Chloride (mg/L)	GWA-15	6.3	n/a	8/11/2021	7.2	Yes	15	n/a	n/a	0	n/a	n/a	0.007533 NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-14	3.365	n/a	8/11/2021	3.7	Yes	15	2.894	0.1784	0	None	No	0.0004426 Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.9	n/a	8/11/2021	2.9	Yes	15	2.515	0.1457	0	None	No	0.0004426 Param Intra 1 of 2
Chloride (mg/L)	GWC-19	2.435	n/a	8/11/2021	2.8	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426 Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.5	n/a	8/11/2021	3	Yes	15	n/a	n/a	0	n/a	n/a	0.007533 NP Intra (normality) 1 of 2

# Appendix III Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-17	0.08	n/a	8/11/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-1	0.08	n/a	8/18/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.08	n/a	8/11/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-3	0.08	n/a	8/12/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.6172	n/a	8/12/2021	0.19	No	15	0.3445	0.1034	6.667	None	No	0.0004426	Param Intra 1 of 2
Boron (mg/L)	GWC-6	0.08	n/a	8/11/2021	0.057J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-7	0.08	n/a	8/11/2021	0.056J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWC-8A	0.3262	n/a	8/12/2021	0.23	No	14	0.1846	0.05242	0	None	No	0.0004426	Param Intra 1 of 2
Boron (mg/L)	GWC-9	0.1305	n/a	8/12/2021	0.1	No	15	0.08718	0.0164	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-15	5.463	n/a	8/11/2021	4.1	No	15	4.215	0.4731	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-16	14.38	n/a	8/11/2021	11	No	15	11.59	1.055	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-17	8.711	n/a	8/11/2021	7.3	No	15	6.639	0.7855	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-1	20.62	n/a	8/18/2021	18	No	15	17.13	1.326	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	21.64	n/a	8/17/2021	18	No	15	16.8	1.835	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11	15.09	n/a	8/11/2021	13	No	15	12.69	0.9098	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-12	1.581	n/a	8/11/2021	1	No	15	1.095	0.184	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13	9.036	n/a	8/11/2021	6.7	No	15	1.862	0.08384	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-14	7.744	n/a	8/11/2021	6.9	No	15	6.446	0.4921	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-18	12.05	n/a	8/11/2021	10	No	15	10.29	0.6675	0	None	No	0.0004426	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-19</b>	<b>15.99</b>	<b>n/a</b>	<b>10/7/2021</b>	<b>17</b>	<b>Yes</b>	<b>15</b>	<b>11.46</b>	<b>1.718</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-2	20.61	n/a	8/12/2021	17	No	15	17.31	1.248	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-20	16.02	n/a	8/11/2021	14	No	15	13.43	0.9796	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-3	11.1	n/a	8/12/2021	6.6	No	15	7.961	1.19	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-4	16.56	n/a	8/12/2021	13	No	15	12.47	1.553	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-5	222.5	n/a	8/12/2021	46	No	15	107.3	43.67	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	21.67	n/a	8/11/2021	16	No	15	17.82	1.459	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-7	16.33	n/a	8/11/2021	14	No	15	14.12	0.8377	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8A	45.47	n/a	8/12/2021	37	No	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	19.78	n/a	8/12/2021	18	No	15	17.05	1.037	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWA-15</b>	<b>6.3</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>7.2</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride (mg/L)	GWA-16	2.089	n/a	8/11/2021	1.8	No	15	1.646	0.1678	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWA-17	2.117	n/a	8/11/2021	1.4	No	15	1.566	0.2089	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-1	4.775	n/a	8/18/2021	4	No	15	3.841	0.354	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-10	4.3	n/a	8/17/2021	3.1	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-11	2.109	n/a	8/11/2021	1.8	No	15	1.772	0.1278	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-12	2.15	n/a	8/11/2021	1.8	No	15	1.753	0.1506	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-13	1.976	n/a	8/11/2021	1.6	No	15	1.548	0.1621	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-14</b>	<b>3.365</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>3.7</b>	<b>Yes</b>	<b>15</b>	<b>2.894</b>	<b>0.1784</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>GWC-18</b>	<b>2.9</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>2.9</b>	<b>Yes</b>	<b>15</b>	<b>2.515</b>	<b>0.1457</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>GWC-19</b>	<b>2.435</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>2.8</b>	<b>Yes</b>	<b>15</b>	<b>1.338</b>	<b>0.08444</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Chloride (mg/L)	GWC-2	2.66	n/a	8/12/2021	2.5	No	15	2.123	0.2035	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-20	2.425	n/a	8/11/2021	2.1	No	15	7.311	2.638	6.667	None	x^3	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-3	4.015	n/a	8/12/2021	3.3	No	15	3.176	0.3181	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-4	15.93	n/a	8/12/2021	12	No	15	7.238	3.295	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-5	134.3	n/a	8/12/2021	22	No	14	60.62	27.28	0	None	No	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-6	9.041	n/a	8/11/2021	6.5	No	14	6.021	1.119	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-7</b>	<b>2.5</b>	<b>n/a</b>	<b>8/11/2021</b>	<b>3</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>
Chloride (mg/L)	GWC-8A	10.77	n/a	8/12/2021	7.8	No	14	2.006	0.1373	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride (mg/L)	GWC-9	4.39	n/a	8/12/2021	4.1	No	15	3.523	0.3286	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWA-15	0.1	n/a	8/11/2021	0.036J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWA-16	0.082	n/a	8/11/2021	0.05J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWA-17	0.082	n/a	8/11/2021	0.053J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-1	0.1091	n/a	10/18/2021	0.081J	No	15	0.006016	0.00223	33.33	Kaplan-Meier	x^2	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWC-10	0.088	n/a	8/17/2021	0.083J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.082	n/a	8/11/2021	0.051J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.1	n/a	8/11/2021	0.029J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-13	0.082	n/a	8/11/2021	0.045J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-14	0.1	n/a	8/11/2021	0.045J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.1	n/a	8/11/2021	0.062J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.1	n/a	8/11/2021	0.047J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-2	0.082	n/a	8/12/2021	0.054J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.1	n/a	8/11/2021	0.051J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-3	0.091	n/a	8/12/2021	0.084J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-4	0.1466	n/a	8/12/2021	0.11	No	15	0.009818	0.004428	0	None	x^2	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWC-5	0.082	n/a	8/12/2021	0.045J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-6	0.082	n/a	8/11/2021	0.055J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-7	0.12	n/a	8/11/2021	0.058J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	GWC-8A	0.2241	n/a	8/12/2021	0.087J	No	14	0.1081	0.04297	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride (mg/L)	GWC-9	0.096	n/a	8/12/2021	0.085J	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
pH (S.U.)	GWA-15	5.761	5.24	8/11/2021	5.5	No	18	5.501	0.1037	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWA-16	6.563	6.191	8/11/2021	6.35	No	18	6.377	0.07404	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWA-17	6.338	5.628	8/11/2021	6.14	No	18	5.983	0.1415	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-1	6.745	6.3	10/18/2021	6.36	No	18	6.522	0.08869	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-10	6.659	6.027	10/18/2021	6.25	No	18	6.343	0.1259	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-11	6.354	5.988	8/11/2021	6.21	No	17	6.171	0.07184	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-12	5.433	4.859	8/11/2021	5.2	No	18	5.146	0.1143	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-13	6.052	5.659	8/11/2021	5.92	No	19	6960	466.8	0	None	x^5	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-14	5.903	5.332	8/11/2021	5.61	No	17	5.617	0.1122	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-18	6.46	6.164	8/11/2021	6.43	No	18	6.312	0.05897	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-19	6.518	6.229	8/11/2021	6.35	No	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-2	7	6.35	8/12/2021	6.41	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-20	6.664	6.342	8/11/2021	6.58	No	18	6.503	0.06408	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-3	6.201	5.69	8/12/2021	6.12	No	18	5.946	0.1019	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-4	6.591	5.971	8/12/2021	6.3	No	18	39.54	1.551	0	None	x^2	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-5	6.158	5.348	8/12/2021	5.87	No	18	5.753	0.1613	0	None	No	0.0002213	Param Intra 1 of 2
pH (S.U.)	GWC-6	6.43	6.09	8/11/2021	6.14	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-7	6.42	5.96	8/11/2021	6.26	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-8A	7.26	6.24	8/12/2021	6.37	No	21	n/a	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-9	6.922	6.294	8/12/2021	6.66	No	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate (mg/L)	GWA-15	3.1	n/a	8/11/2021	1.3	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-16	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-17	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-1	1	n/a	8/18/2021	0.79J	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-10	1.475	n/a	8/17/2021	1.2	No	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-12	1.3	n/a	8/11/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-13	1.3	n/a	8/11/2021	0.89J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-14	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-18	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-19	1.2	n/a	8/11/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

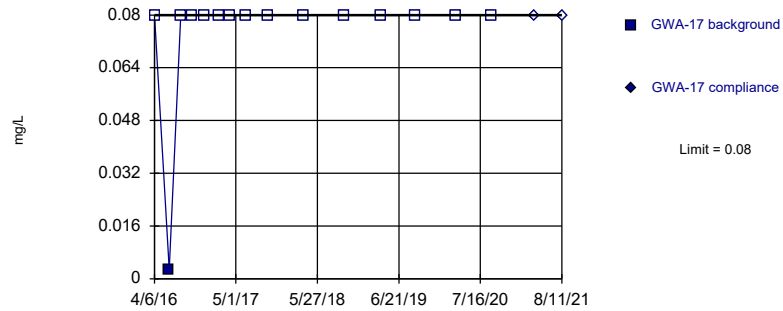
# Appendix III Intrawell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1-CCR    Printed 12/2/2021, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method	
Sulfate (mg/L)	GWC-2	1	n/a	8/12/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-20	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-3	1.1	n/a	8/12/2021	1ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-4	6.288	n/a	8/12/2021	3.5	No	15	2.937	1.27	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5	629.8	n/a	8/12/2021	140	No	14	315	116.6	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-6	17.41	n/a	8/11/2021	11	No	15	10.19	2.735	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-7	1	n/a	8/11/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-8A	55.93	n/a	8/12/2021	27	No	14	30.76	9.32	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate (mg/L)	GWC-9	16.91	n/a	8/12/2021	9.7	No	15	9.857	2.672	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-15	76.79	n/a	8/11/2021	55	No	15	35.07	15.82	13.33	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-16	153.2	n/a	8/11/2021	100	No	15	93.67	22.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-17	132.7	n/a	8/11/2021	94	No	15	66.53	25.08	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-1	164.7	n/a	8/18/2021	150	No	15	131.1	12.73	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	180.4	n/a	8/17/2021	160	No	14	127.6	19.55	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	293	n/a	8/11/2021	120	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	94.94	n/a	8/11/2021	18	No	15	4.249	2.083	26.67	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-13	119.3	n/a	8/11/2021	75	No	14	58.14	22.64	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-14	103	n/a	8/11/2021	71	No	15	55	18.21	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-18	120.6	n/a	8/11/2021	98	No	15	84.33	13.75	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	164.4	n/a	8/11/2021	120	No	15	90.33	28.07	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-2	192.3	n/a	8/12/2021	130	No	15	116.2	28.83	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	146.1	n/a	8/11/2021	110	No	15	102.9	16.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-3	112.1	n/a	8/12/2021	89	No	15	79.13	12.48	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-4	166.6	n/a	8/12/2021	130	No	15	116.9	18.84	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-5	1654	n/a	8/12/2021	370	No	15	823.3	314.8	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-6	183.8	n/a	8/11/2021	160	No	15	144.8	14.77	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-7	155.6	n/a	8/11/2021	130	No	15	116.4	14.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-8A	404	n/a	8/12/2021	240	No	13	14.63	1.981	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	205.7	n/a	8/12/2021	150	No	15	20532	8252	0	None	x^2	0.0004426	Param Intra 1 of 2

Within Limit

Prediction Limit  
 Intrawell Non-parametric

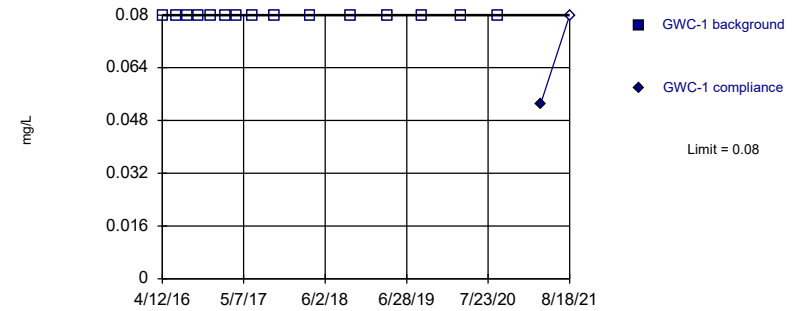


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

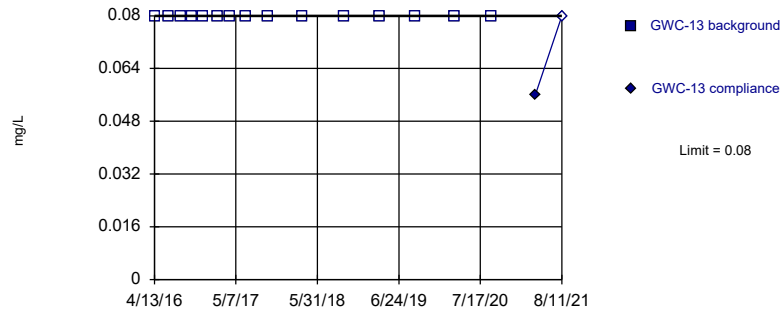


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

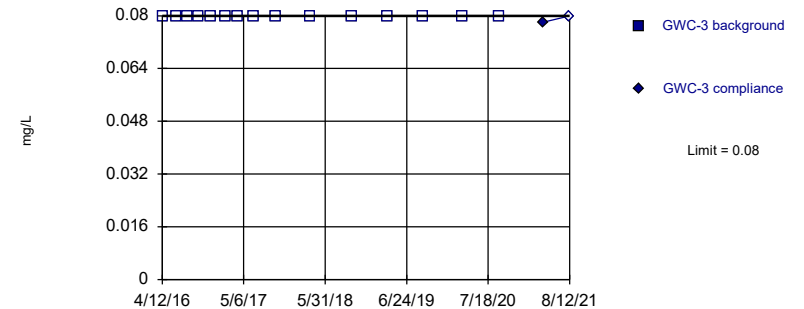


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

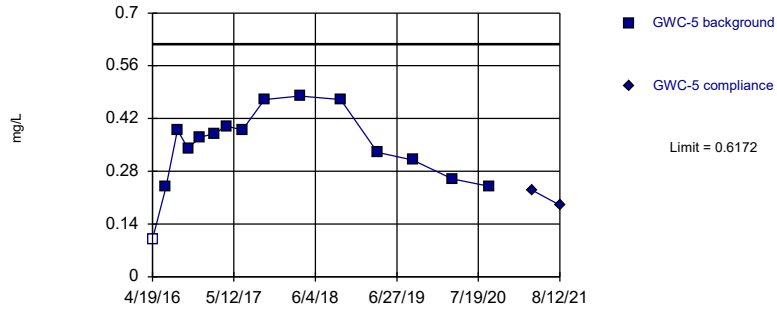


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

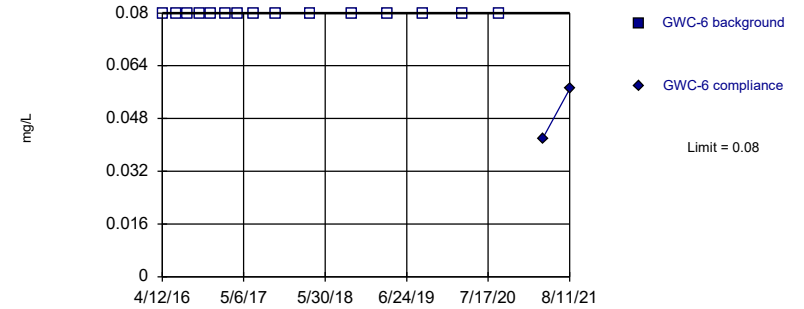


Background Data Summary: Mean=0.3445, Std. Dev.=0.1034, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9346, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

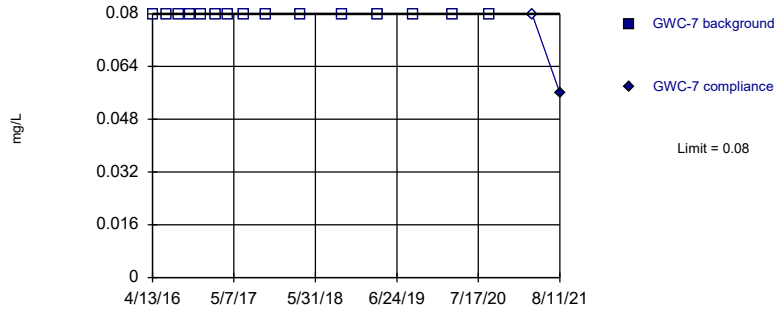


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

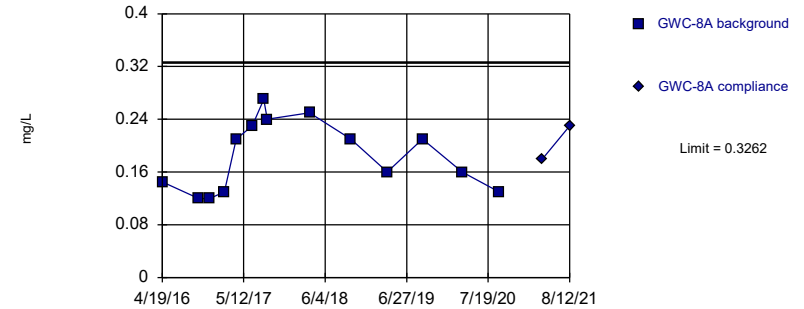


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

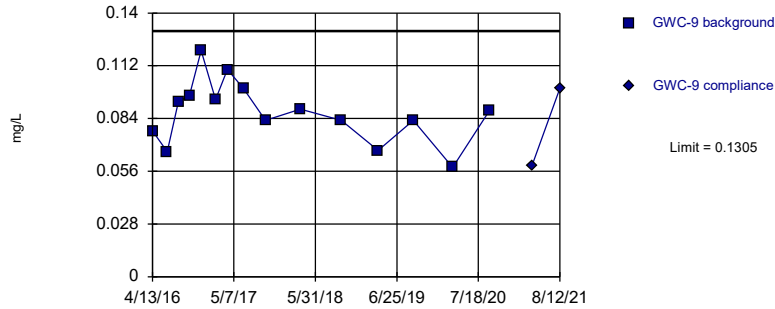


Background Data Summary: Mean=0.1846, Std. Dev.=0.05242, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9057, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



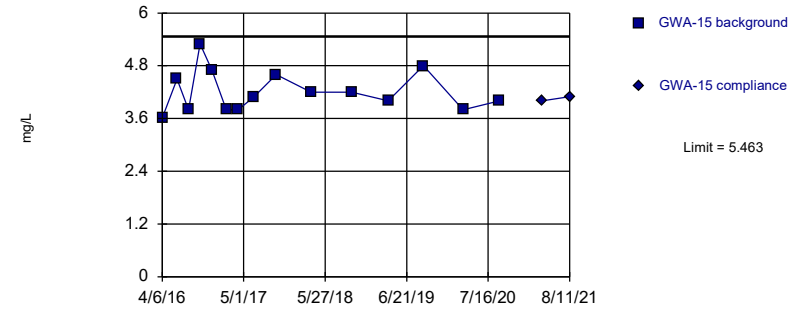
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.08718, Std. Dev.=0.0164, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9791, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

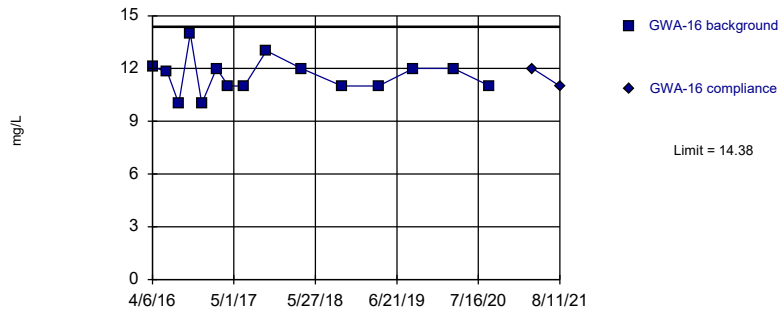
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=4.215, Std. Dev.=0.4731, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9133, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

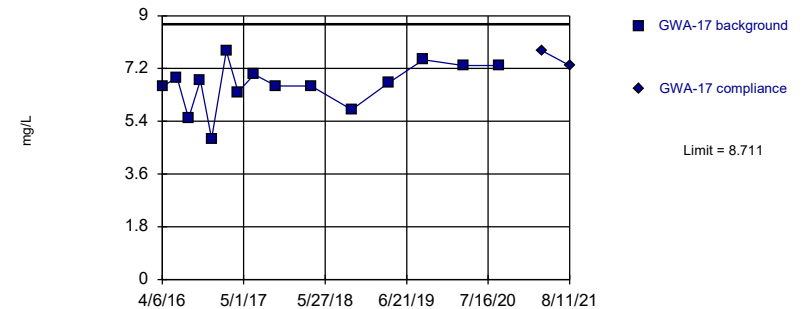
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=11.59, Std. Dev.=1.055, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.918, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

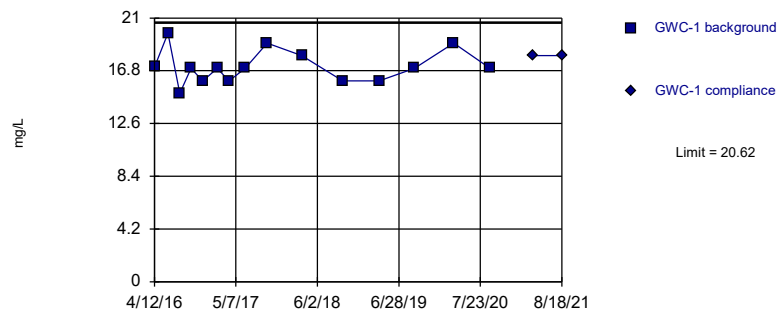
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=6.639, Std. Dev.=0.7855, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9346, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

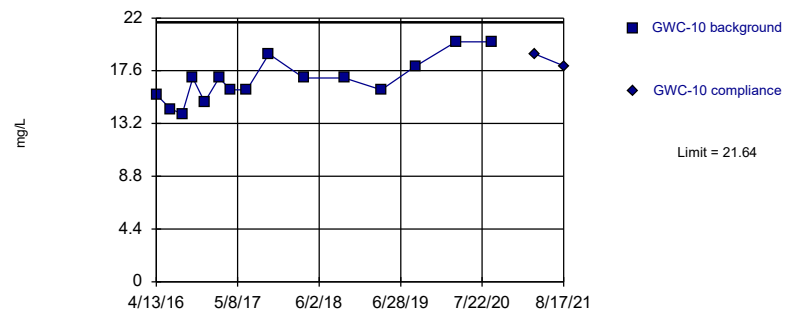
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=17.13, Std. Dev.=1.326, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9117, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

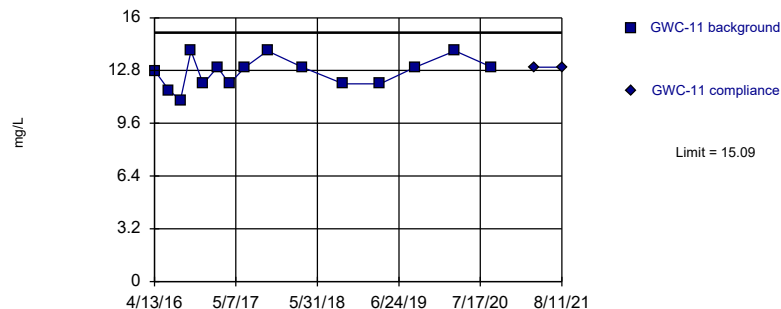
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=16.8, Std. Dev.=1.835, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9404, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

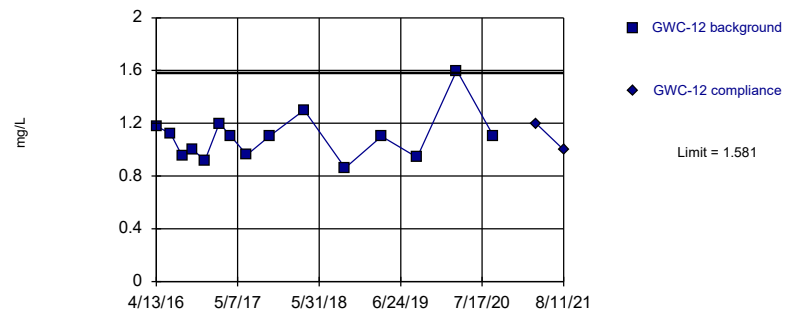
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=12.69, Std. Dev.=0.9098, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

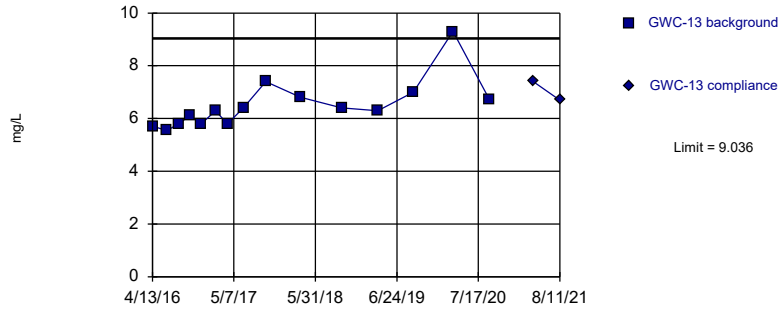
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.095, Std. Dev.=0.184, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.878, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

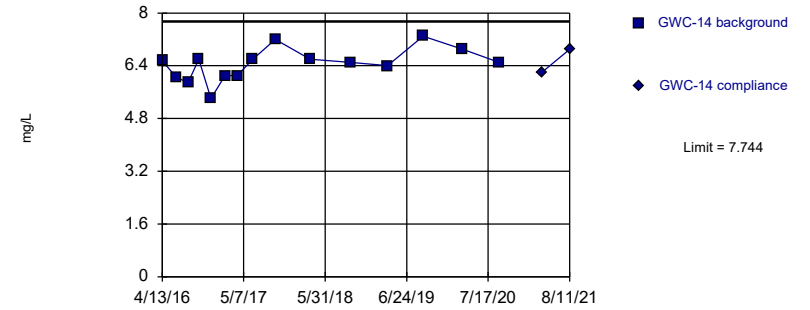
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=1.862, Std. Dev.=0.08384, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8396, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

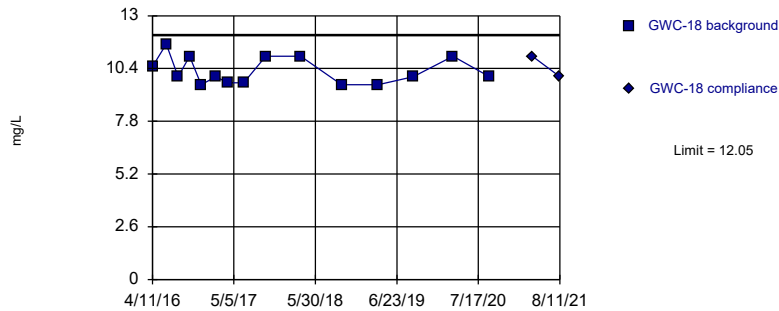
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=6.446, Std. Dev.=0.4921, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9601, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

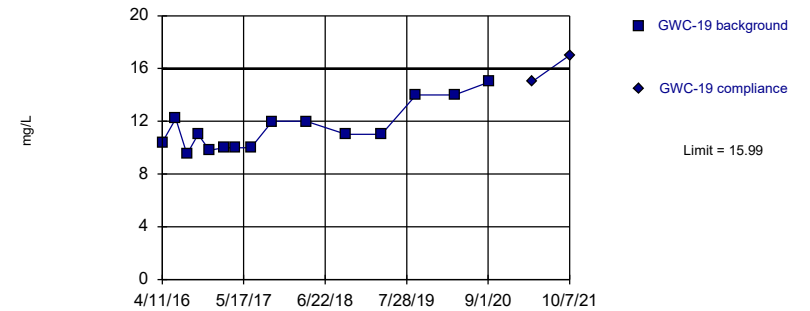
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=10.29, Std. Dev.=0.6675, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8527, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Exceeds Limit Prediction Limit  
Intrawell Parametric



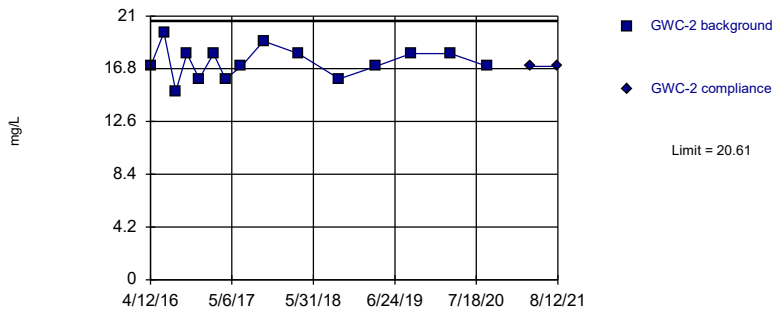
Background Data Summary: Mean=11.46, Std. Dev.=1.718, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.884, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit

Intrawell Parametric



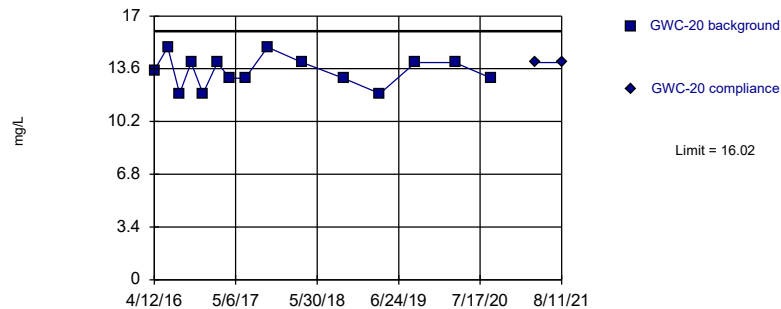
Background Data Summary: Mean=17.31, Std. Dev.=1.248, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9504, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit

Intrawell Parametric



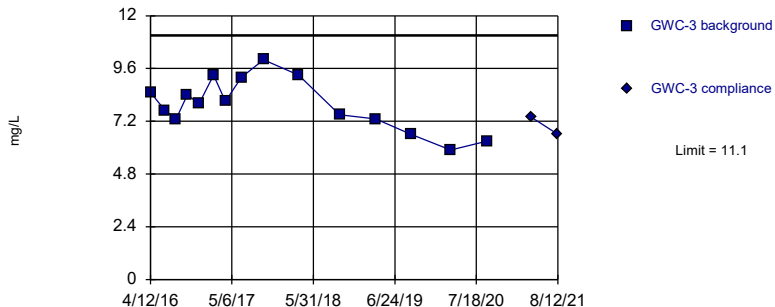
Background Data Summary: Mean=13.43, Std. Dev.=0.9796, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9068, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit

Intrawell Parametric



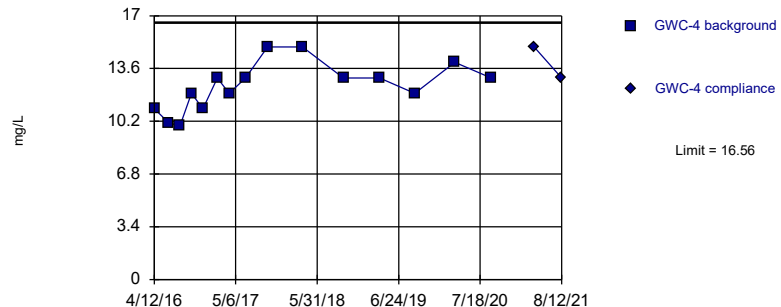
Background Data Summary: Mean=7.961, Std. Dev.=1.19, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit

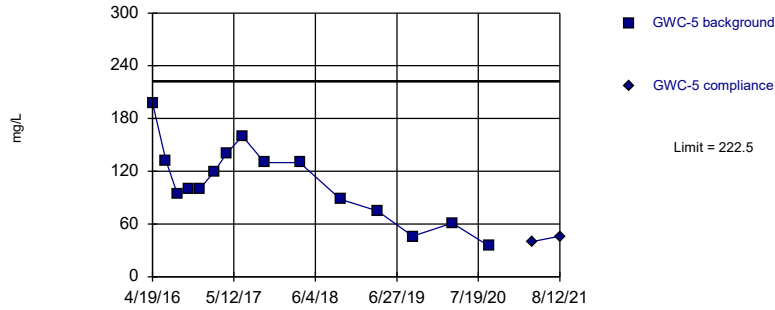
Intrawell Parametric



Background Data Summary: Mean=12.47, Std. Dev.=1.553, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9415, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

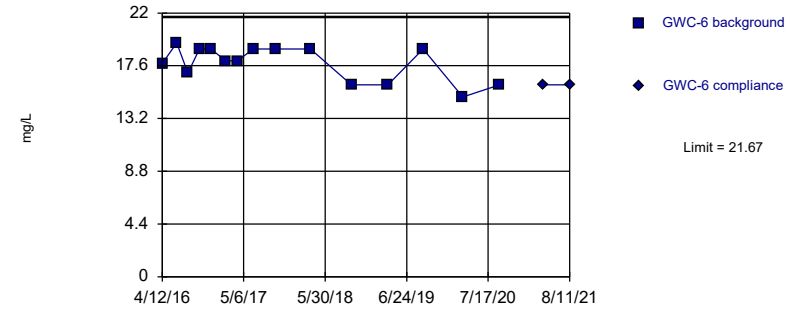
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=107.3, Std. Dev.=43.67, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.98, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

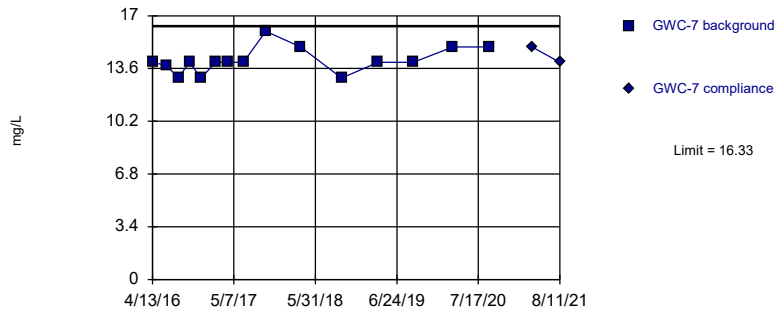
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=17.82, Std. Dev.=1.459, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8525, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

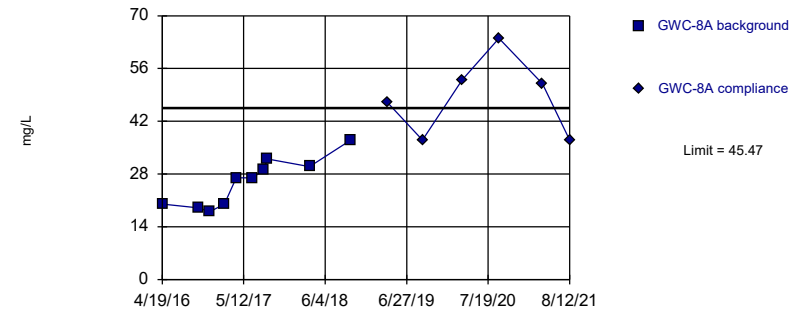
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=14.12, Std. Dev.=0.8377, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8742, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit Prediction Limit  
Intrawell Parametric

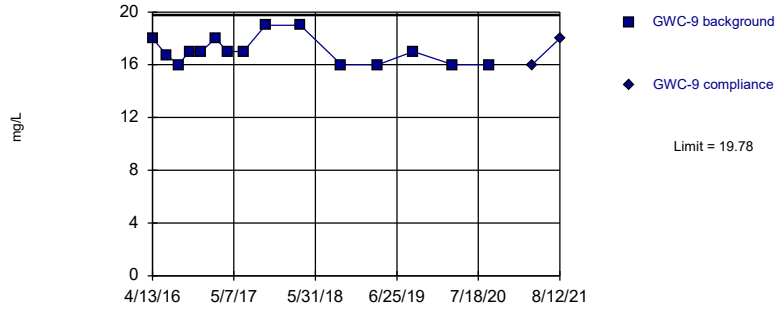


Background Data Summary: Mean=25.9, Std. Dev.=6.402, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9203, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

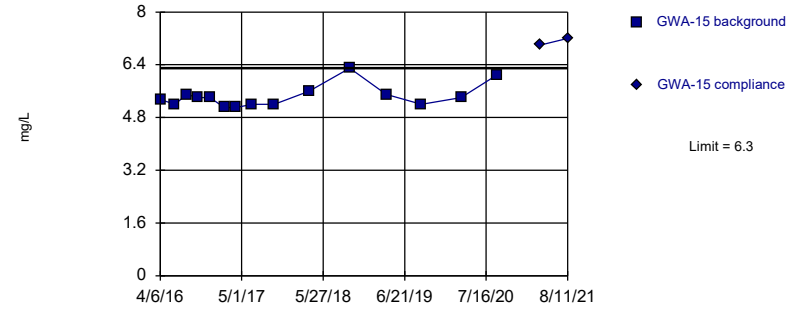


Background Data Summary: Mean=17.05, Std. Dev.=1.037, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8479, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

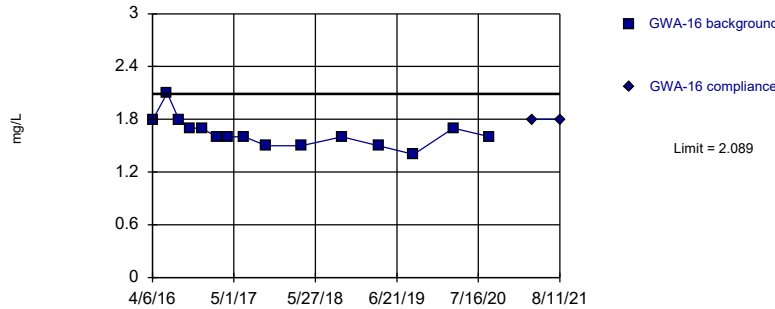


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

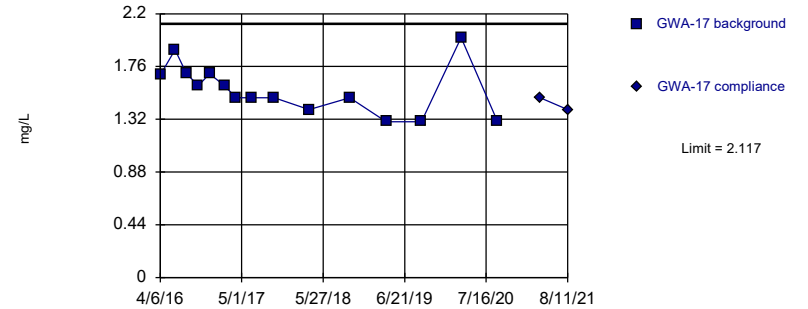


Background Data Summary: Mean=1.646, Std. Dev.=0.1678, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8884, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:27 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

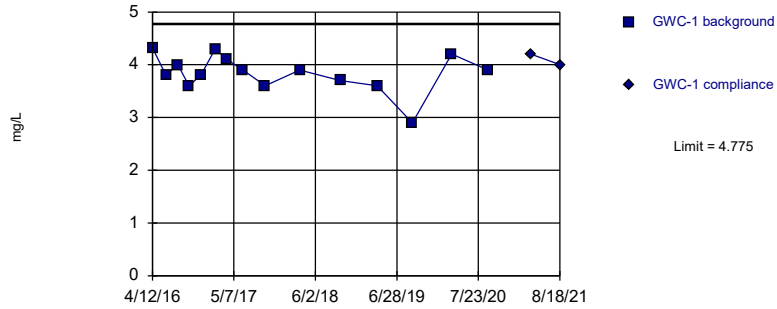
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.566, Std. Dev.=0.2089, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9304, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

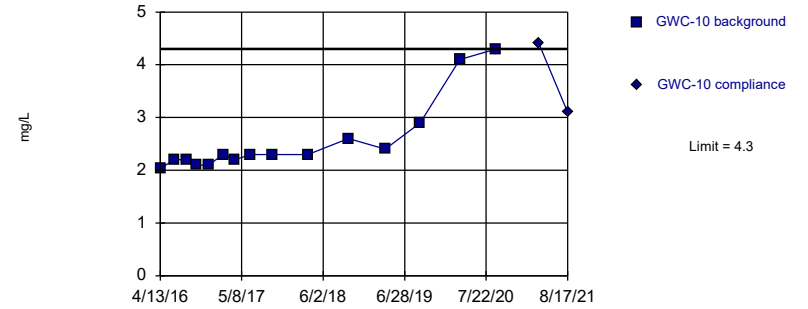
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=3.841, Std. Dev.=0.354, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

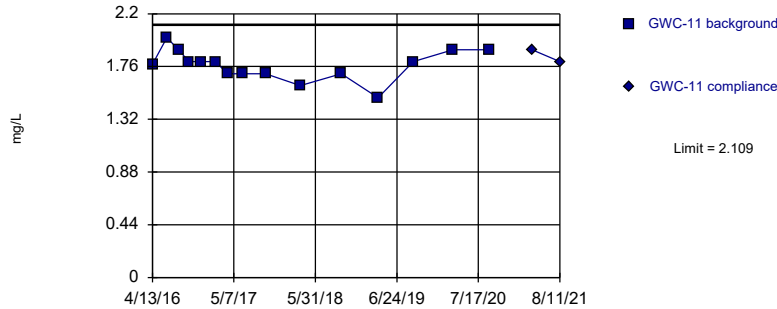
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

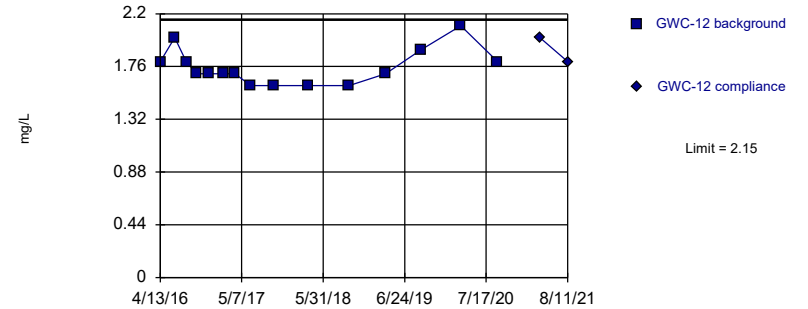
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.772, Std. Dev.=0.1278, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

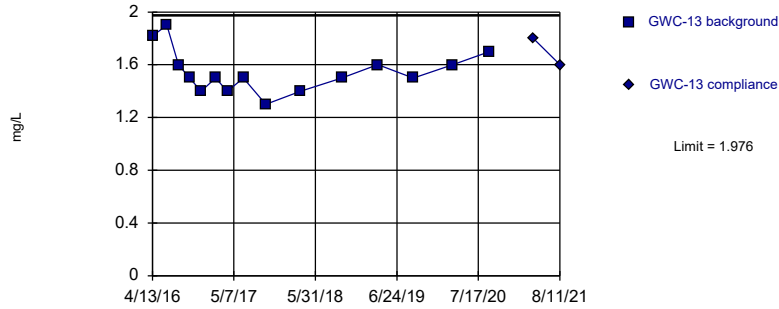
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.753, Std. Dev.=0.1506, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8668, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

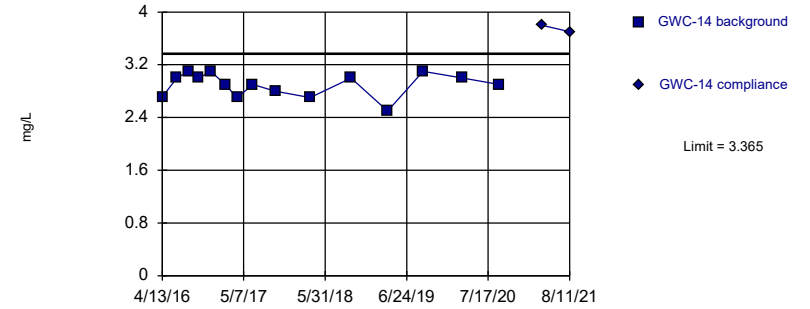
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.548, Std. Dev.=0.1621, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9227, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

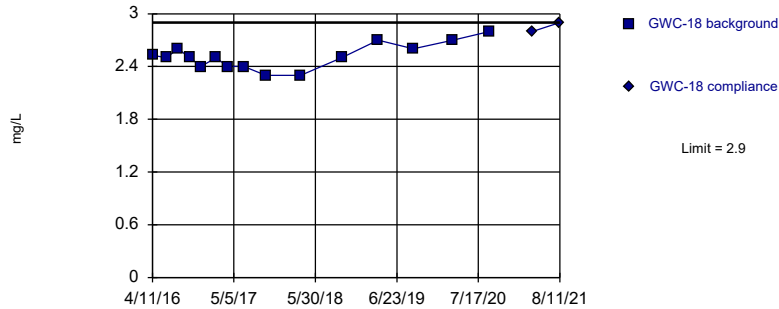
Exceeds Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.894, Std. Dev.=0.1784, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

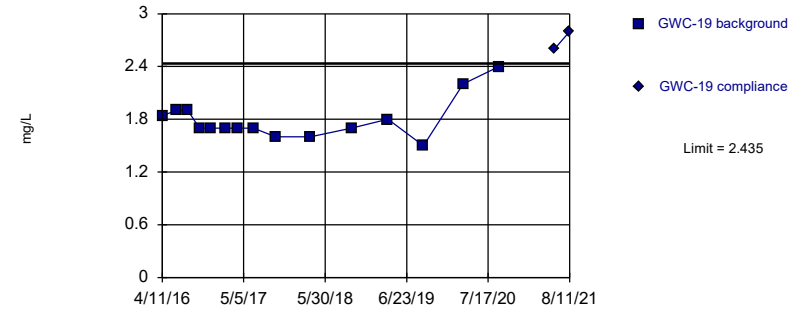
Exceeds Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.515, Std. Dev.=0.1457, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9512, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Exceeds Limit Prediction Limit  
Intrawell Parametric



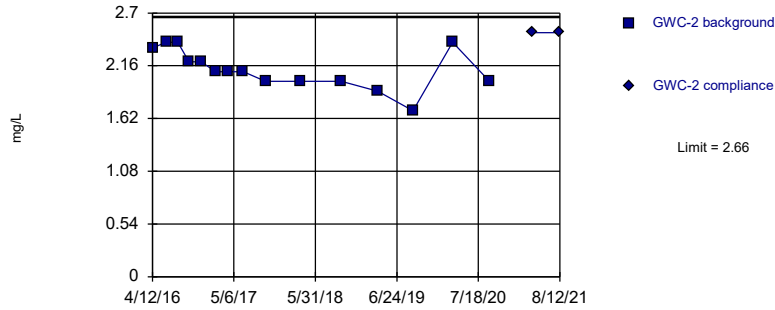
Background Data Summary (based on square root transformation): Mean=1.338, Std. Dev.=0.08444, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8543, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limit

Prediction Limit  
Intrawell Parametric

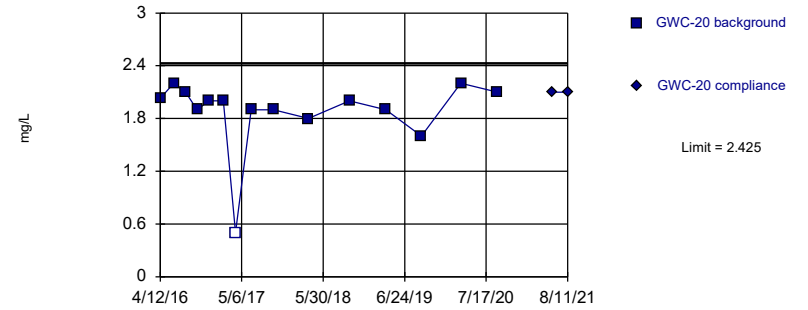


Background Data Summary: Mean=2.123, Std. Dev.=0.2035, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9293, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

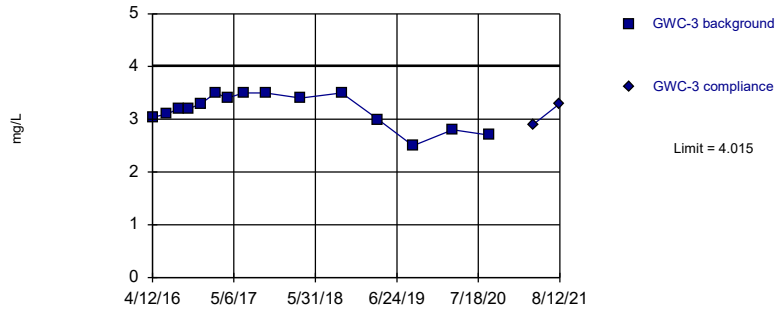


Background Data Summary (based on cube transformation): Mean=7.311, Std. Dev.=2.638, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8777, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

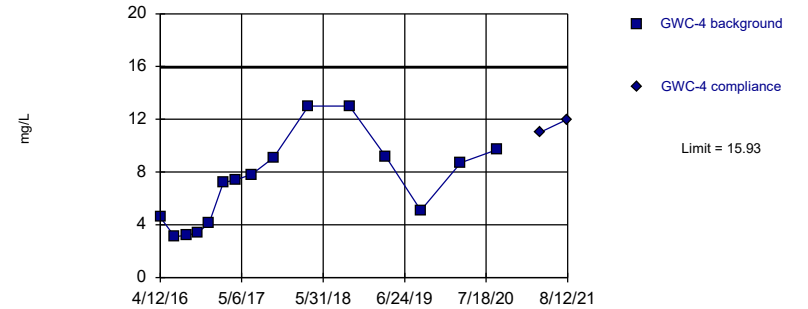


Background Data Summary: Mean=3.176, Std. Dev.=0.3181, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8971, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

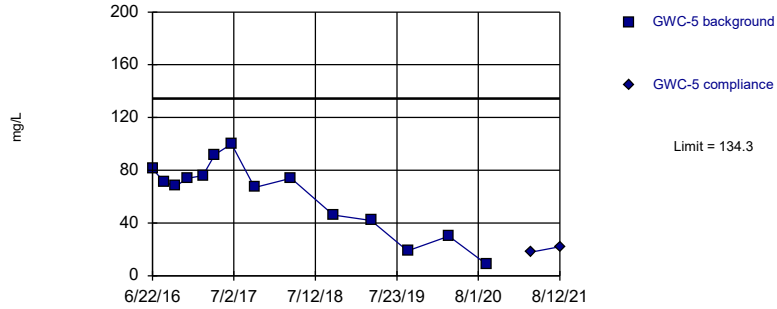
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=7.238, Std. Dev.=3.295, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.92, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

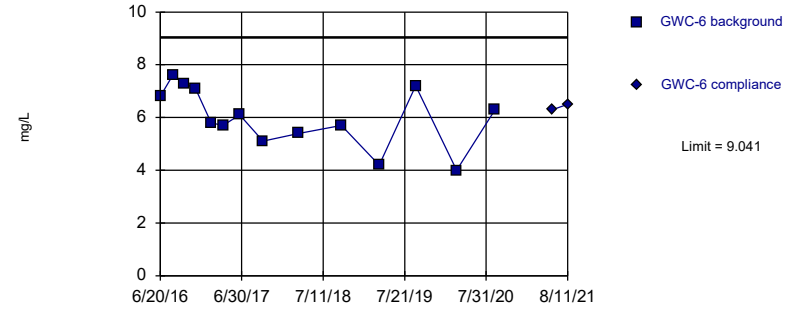
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=60.62, Std. Dev.=27.28, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9307, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

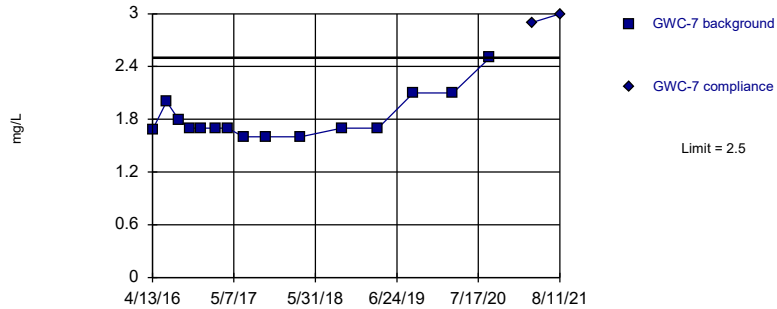
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=6.021, Std. Dev.=1.119, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

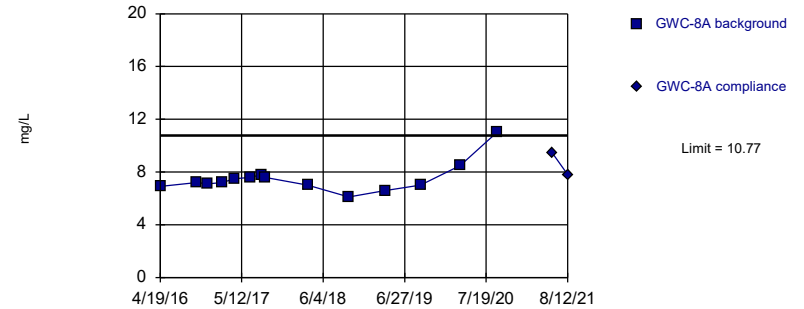
Exceeds Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit Prediction Limit  
Intrawell Parametric

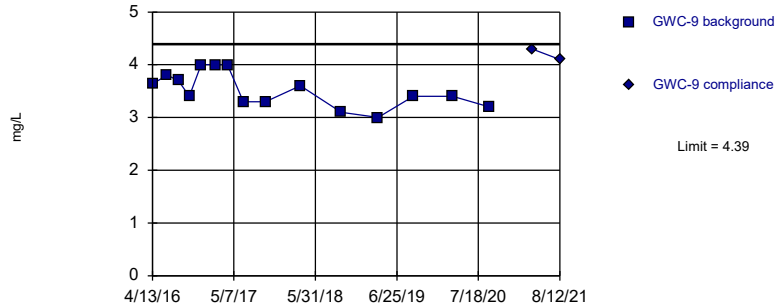


Background Data Summary (based on natural log transformation): Mean=2.006, Std. Dev.=0.1373, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

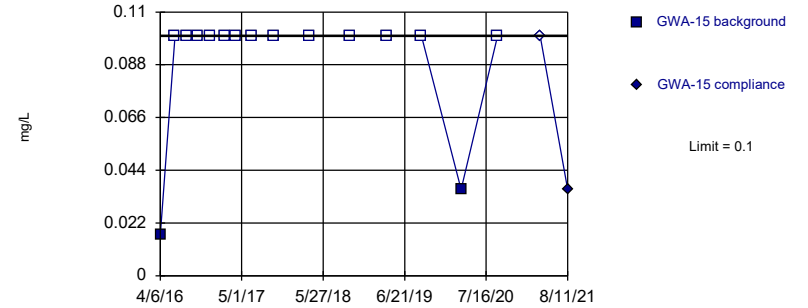


Background Data Summary: Mean=3.523, Std. Dev.=0.3286, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



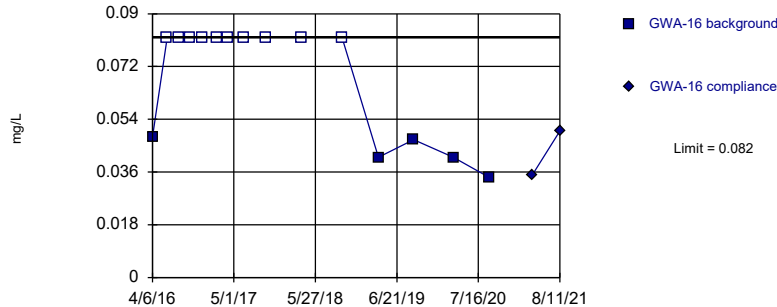
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



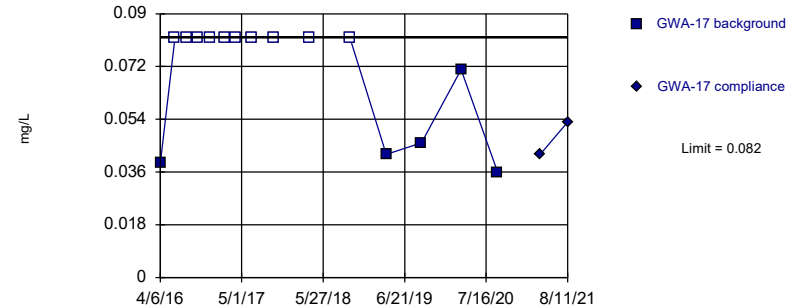
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

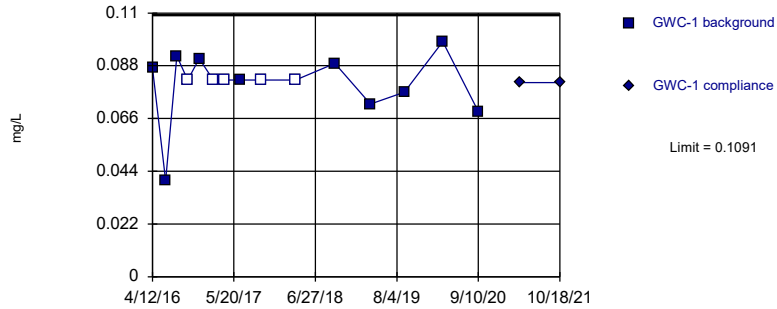


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

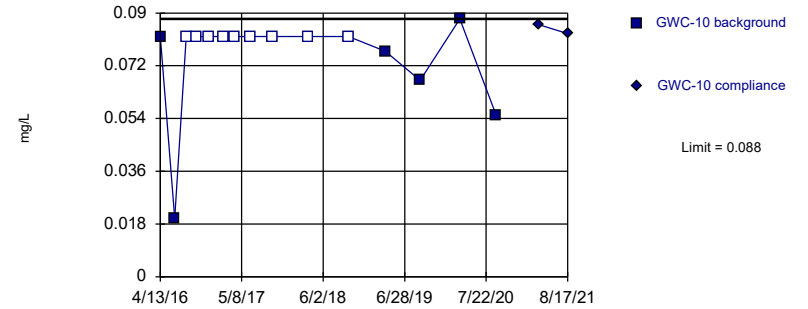


Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.006016, Std. Dev.=0.00223, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8926, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.000426.

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

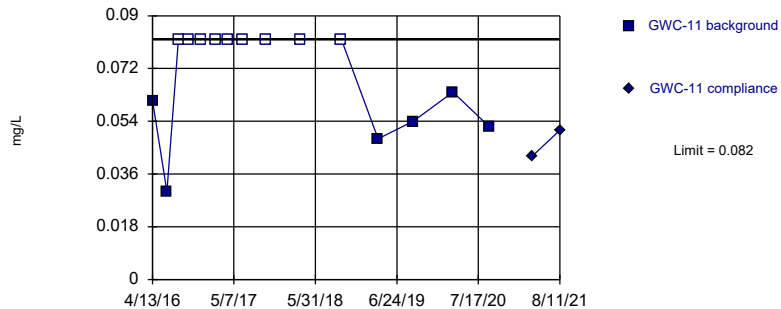


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

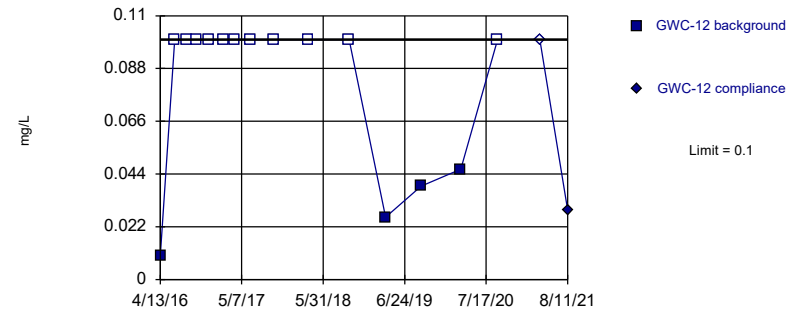


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

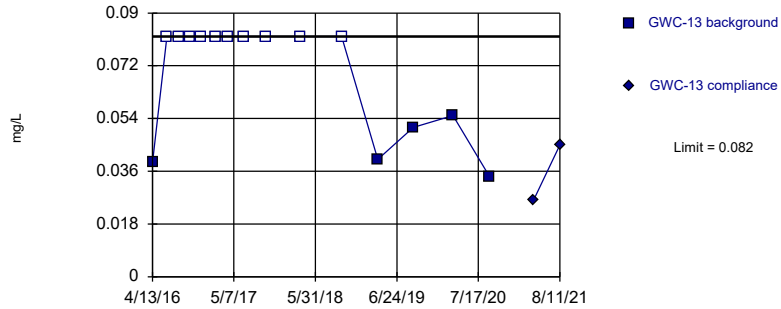


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

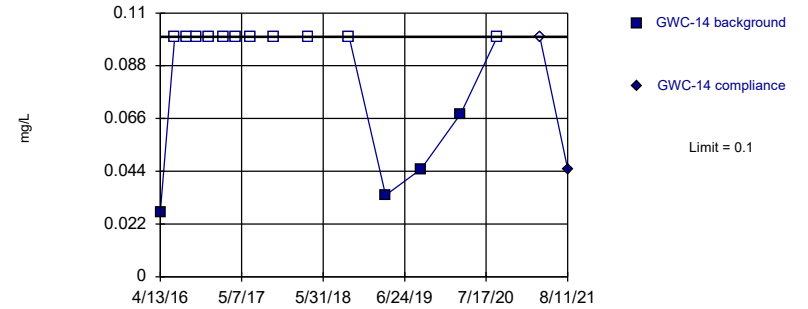


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

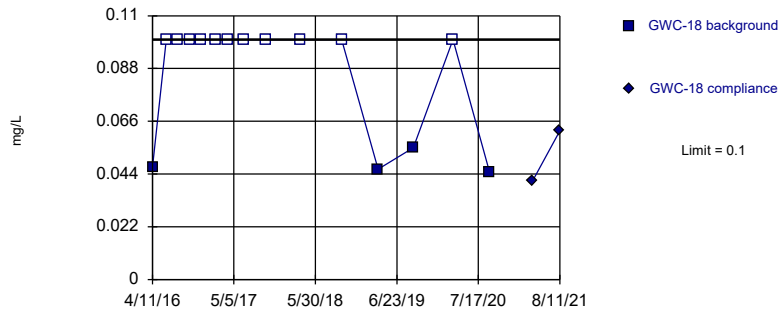


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

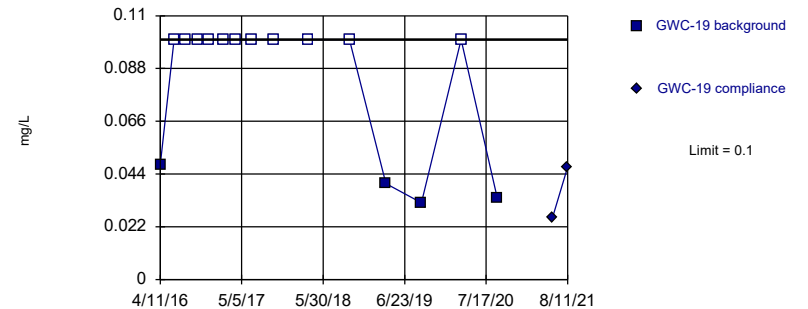


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

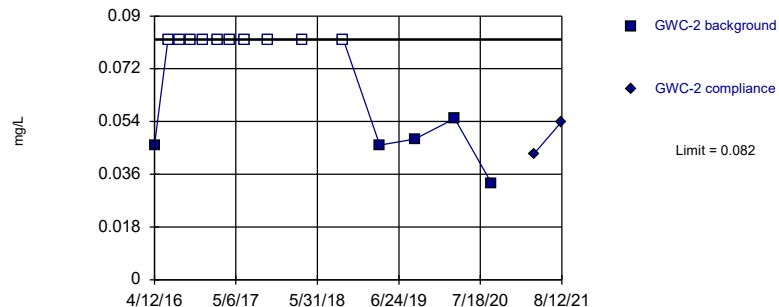


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

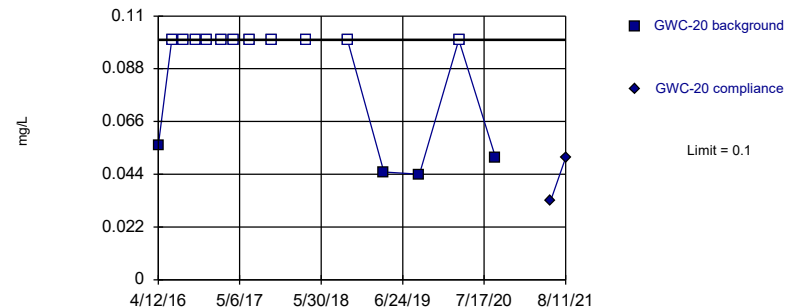


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

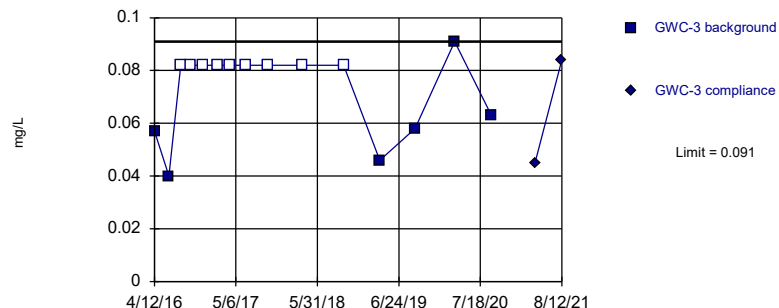


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

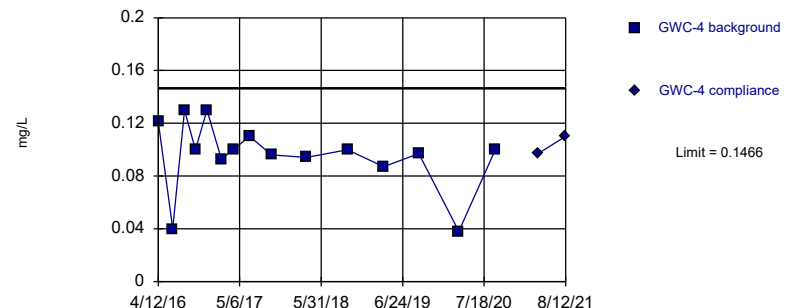


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

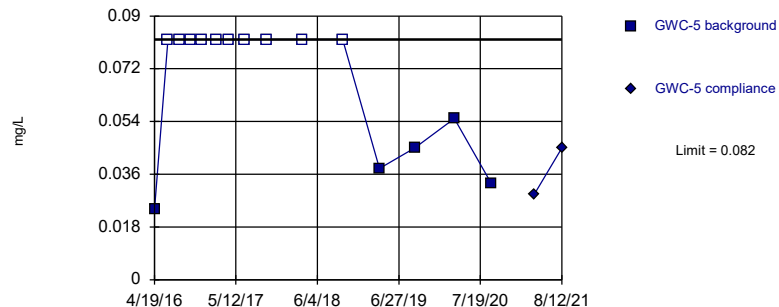


Background Data Summary (based on square transformation): Mean=0.009818, Std. Dev.=0.004428, n=15.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

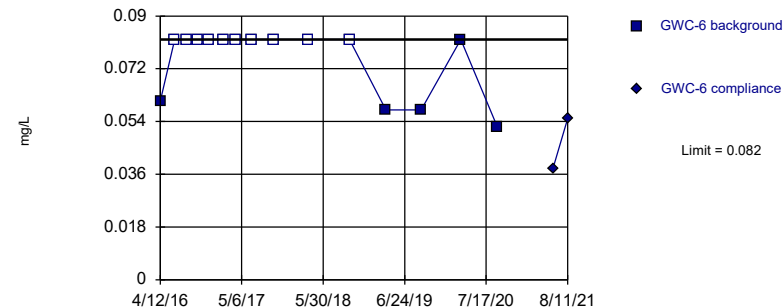


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

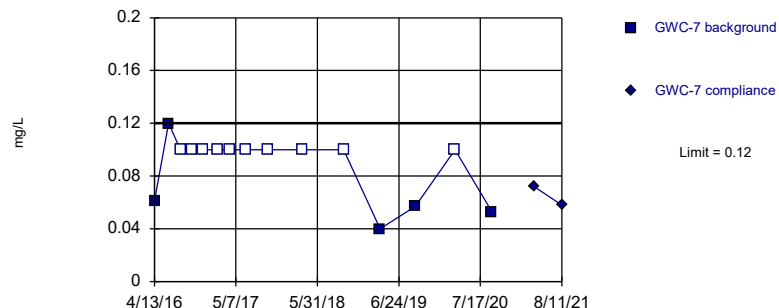


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

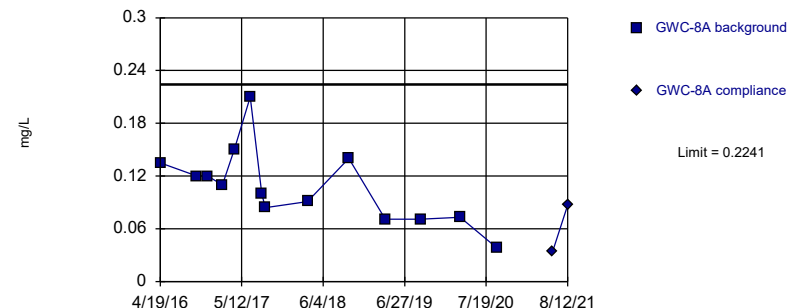


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

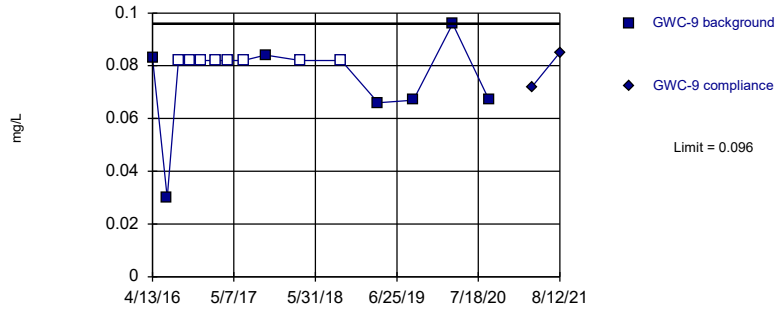


Background Data Summary: Mean=0.1081, Std. Dev.=0.04297, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.956, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

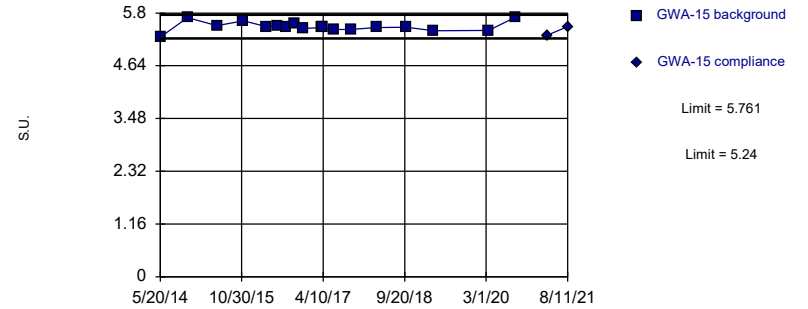


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
 Intrawell Parametric

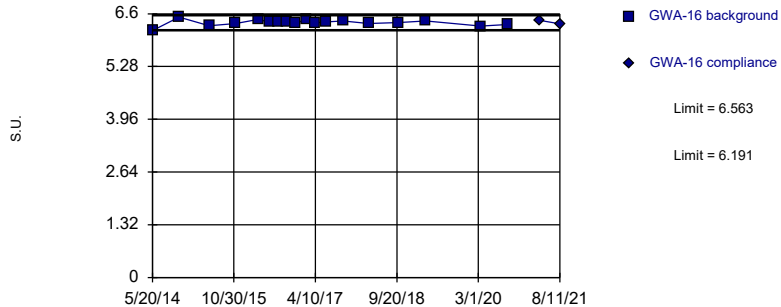


Background Data Summary: Mean=5.501, Std. Dev.=0.1037, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.919, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
 Intrawell Parametric

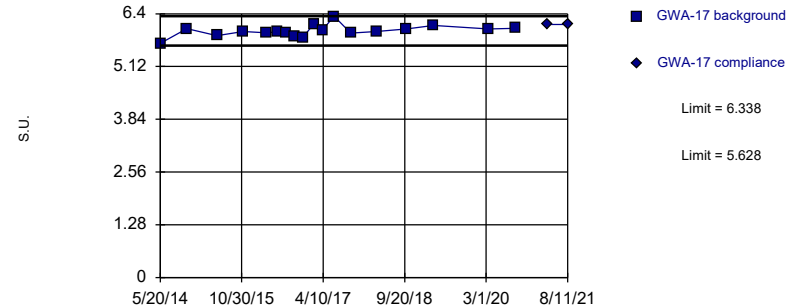


Background Data Summary: Mean=6.377, Std. Dev.=0.07404, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
 Intrawell Parametric



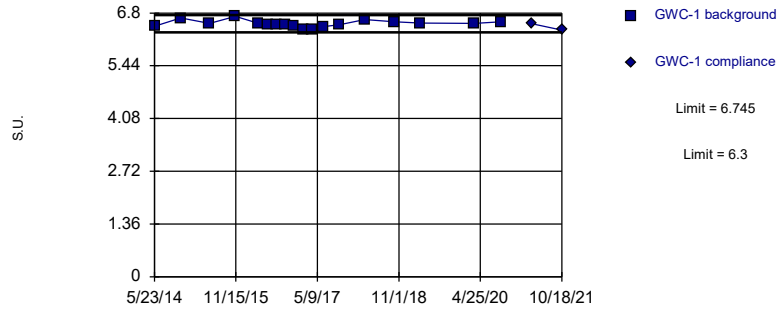
Background Data Summary: Mean=5.983, Std. Dev.=0.1415, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.957, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



Within Limits

### Prediction Limit Intrawell Parametric

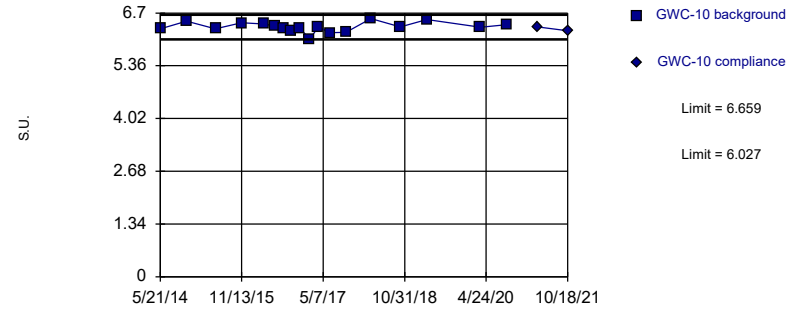


Background Data Summary: Mean=6.522, Std. Dev.=0.08869, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9604, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

### Prediction Limit Intrawell Parametric

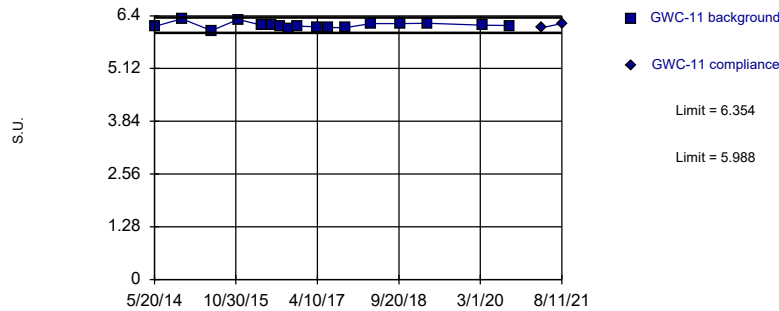


Background Data Summary: Mean=6.343, Std. Dev.=0.1259, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

### Prediction Limit Intrawell Parametric

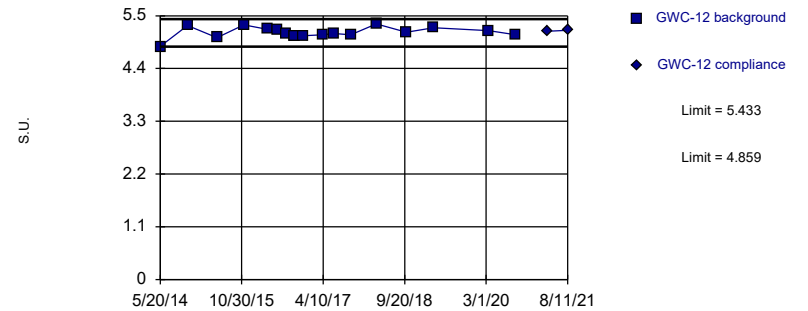


Background Data Summary: Mean=6.171, Std. Dev.=0.07184, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9396, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

### Prediction Limit Intrawell Parametric

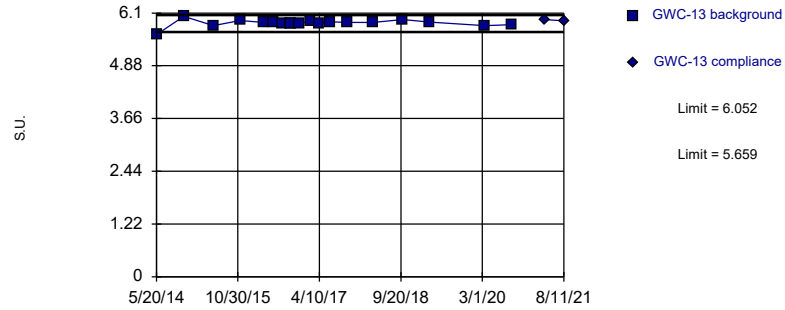


Background Data Summary: Mean=5.146, Std. Dev.=0.1143, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9429, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

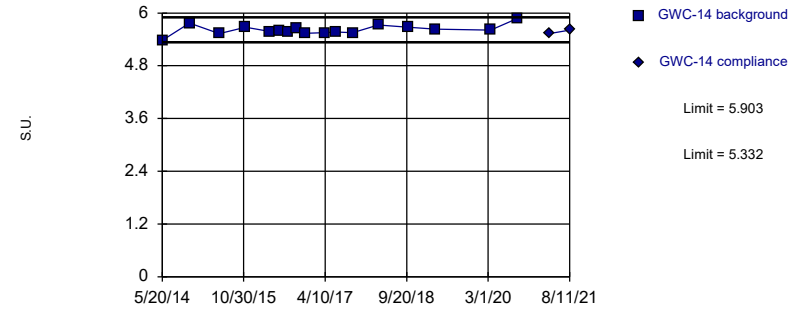


Background Data Summary (based on  $x^5$  transformation): Mean=6960, Std. Dev.=466.8, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8633, critical = 0.863. Kappa = 2.478 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

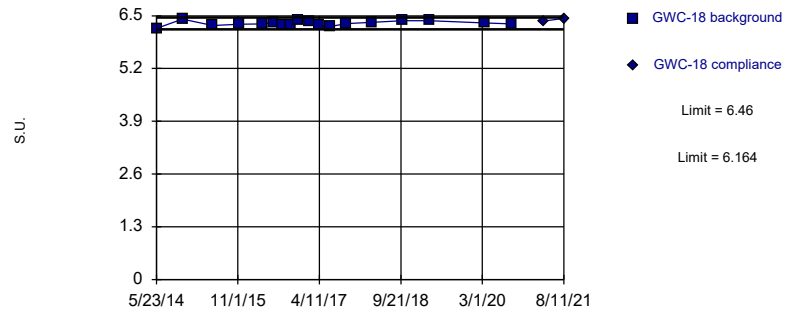


Background Data Summary: Mean=5.617, Std. Dev.=0.1122, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

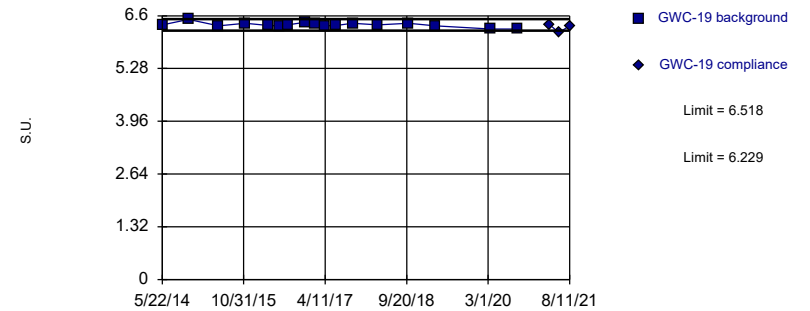


Background Data Summary: Mean=6.312, Std. Dev.=0.05897, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9854, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

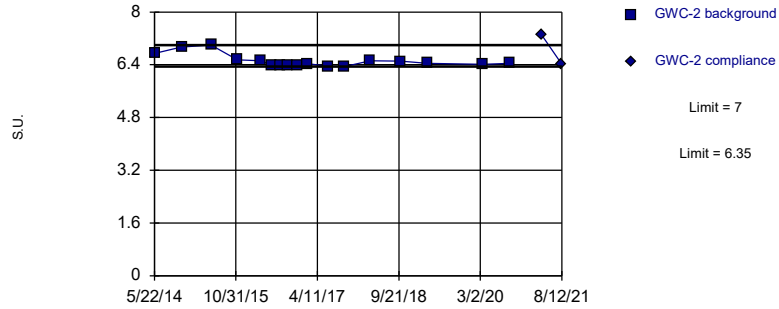


Background Data Summary: Mean=6.374, Std. Dev.=0.05689, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

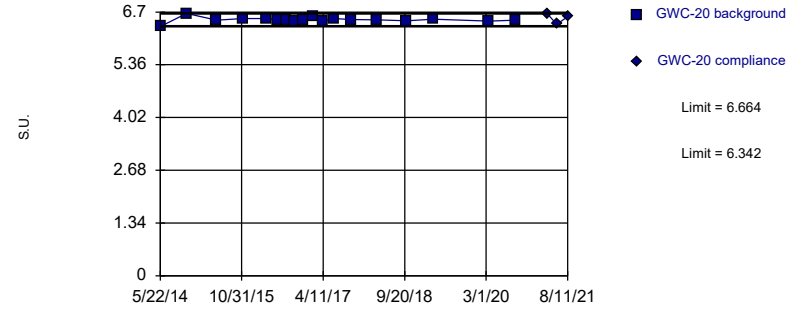


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

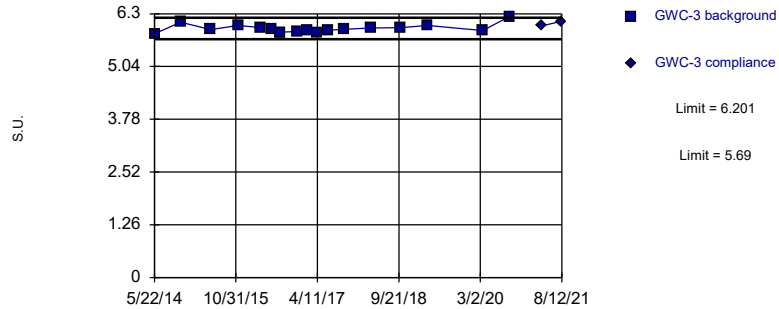


Background Data Summary: Mean=6.503, Std. Dev.=0.06408, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8614, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

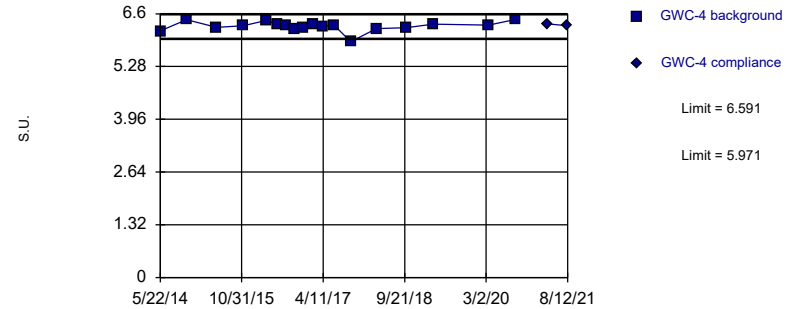


Background Data Summary: Mean=5.946, Std. Dev.=0.1019, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8758, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

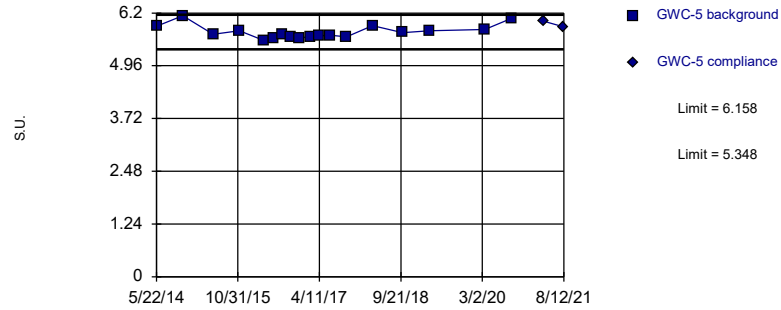


Background Data Summary (based on square transformation): Mean=39.54, Std. Dev.=1.551, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8631, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

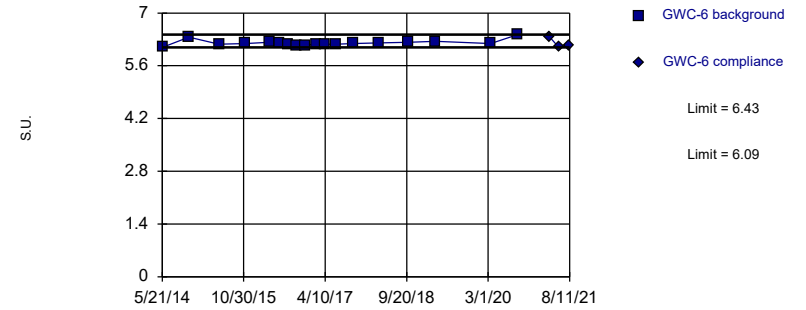


Background Data Summary: Mean=5.753, Std. Dev.=0.1613, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8787, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

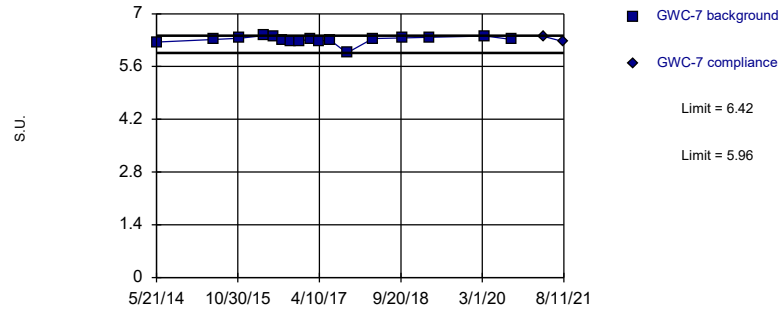


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

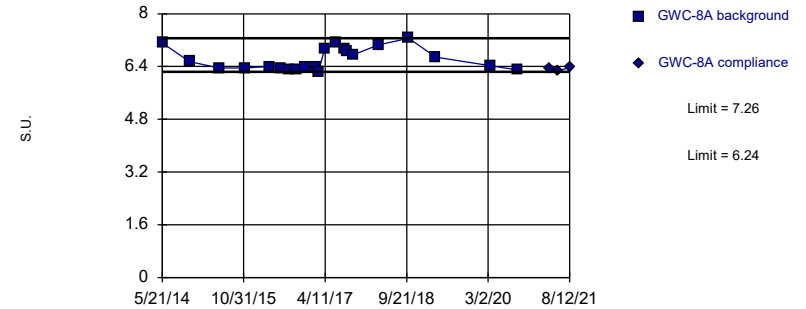


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

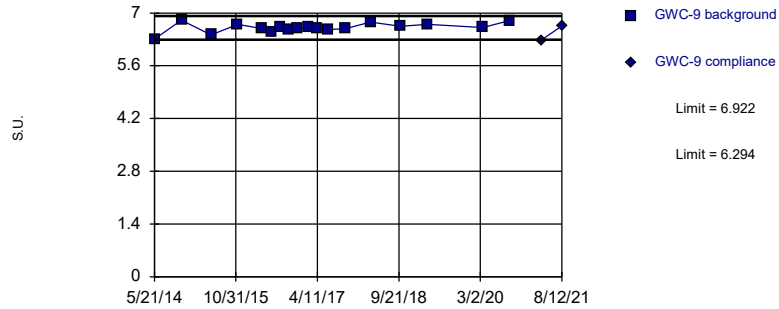


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 21 background values. Well-constituent pair annual alpha = 0.01596. Individual comparison alpha = 0.007998 (1 of 2).

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

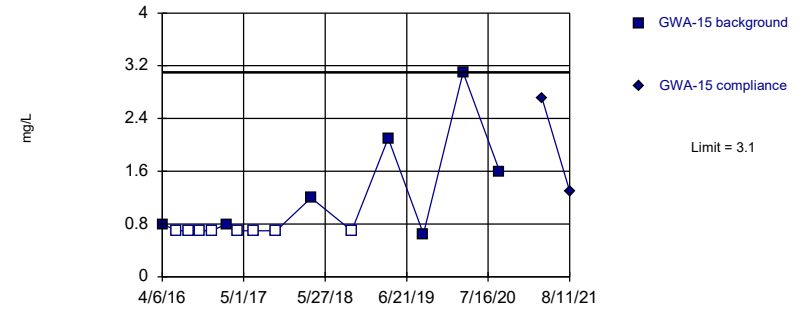


Background Data Summary: Mean=6.608, Std. Dev.=0.1251, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



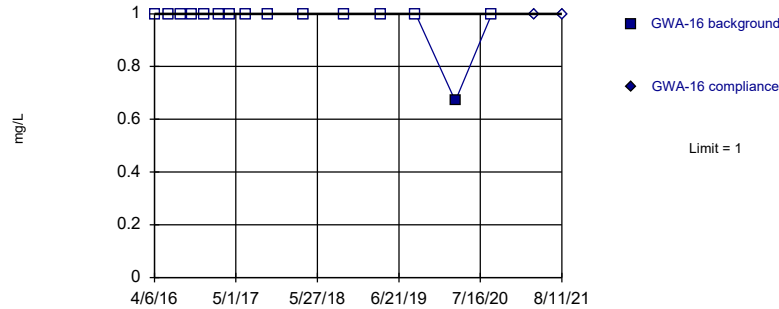
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



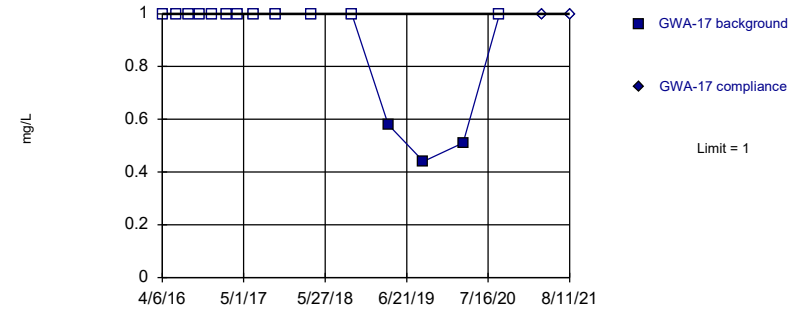
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

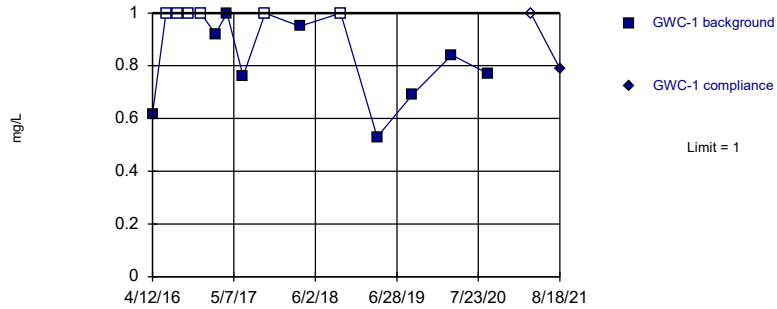


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:28 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

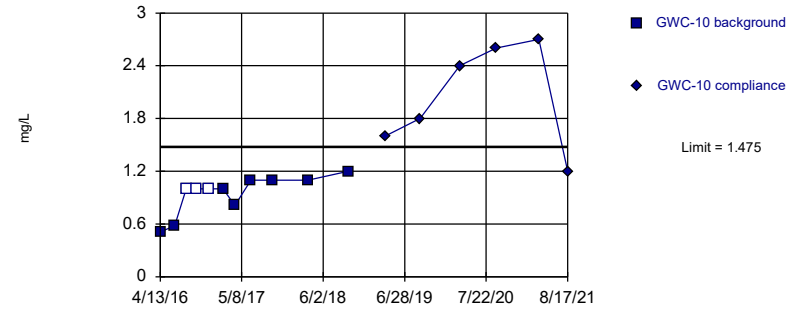


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

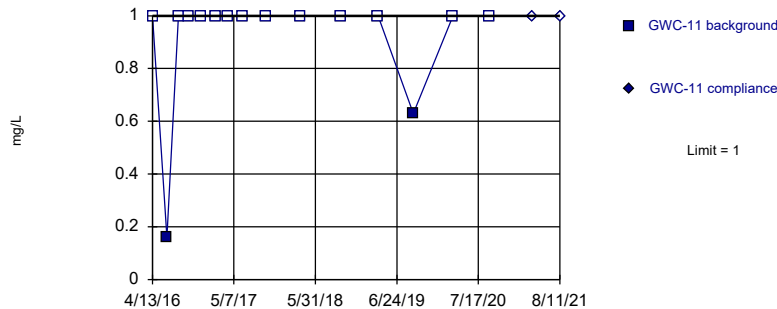


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7701, Std. Dev.=0.2398, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8327, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

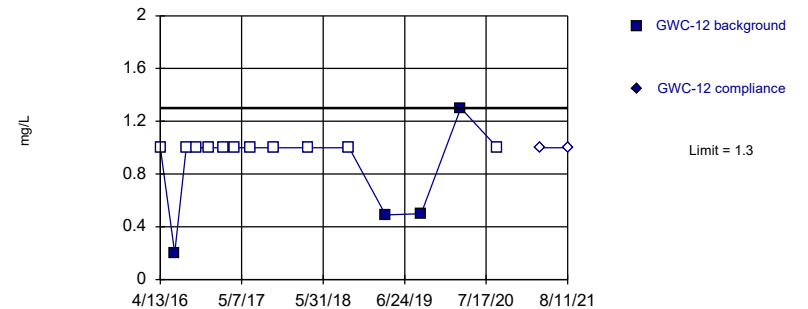


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

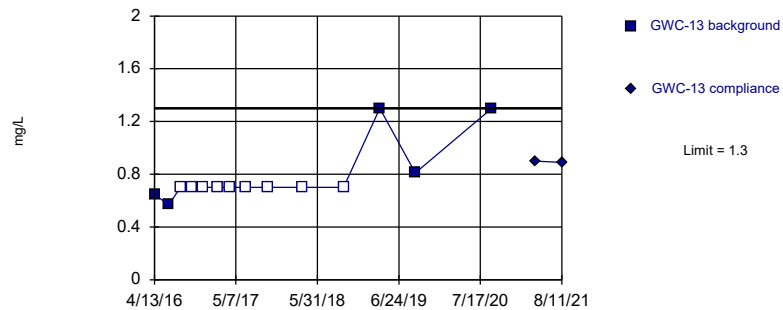


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

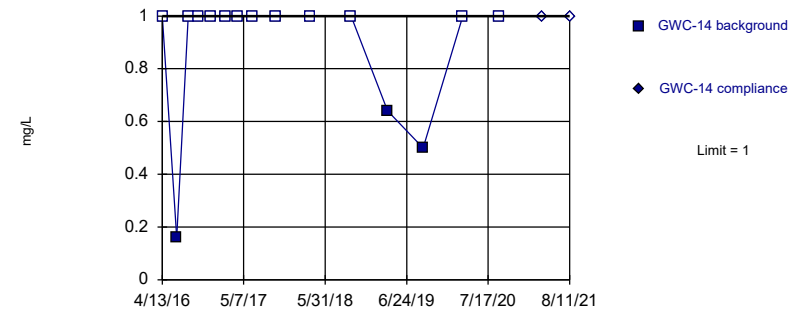


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

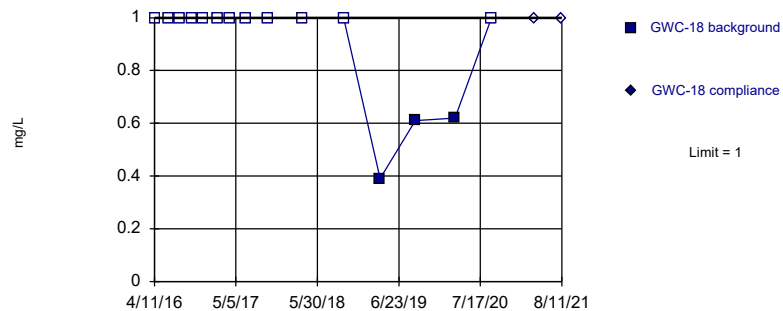


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

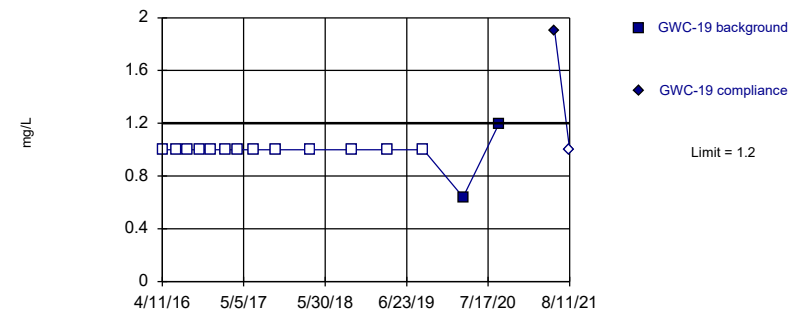


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

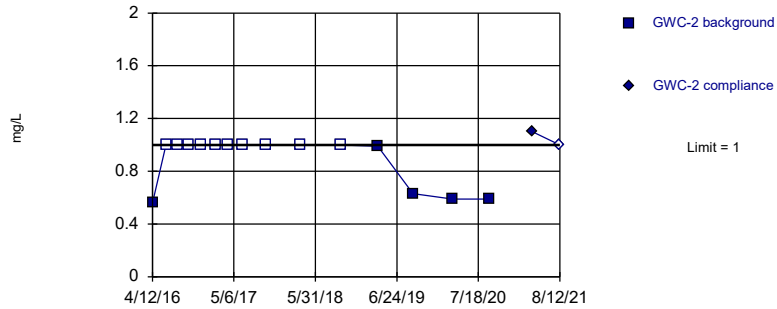


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

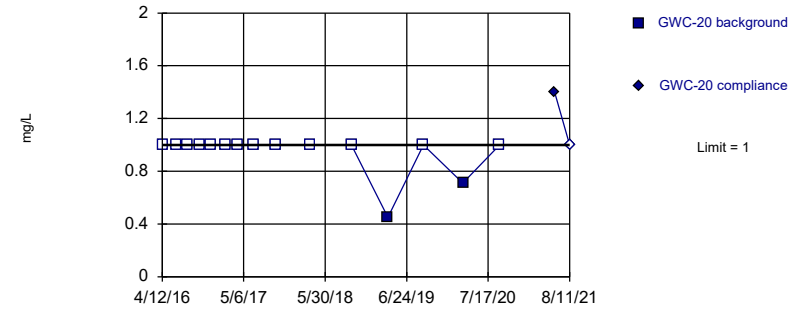


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

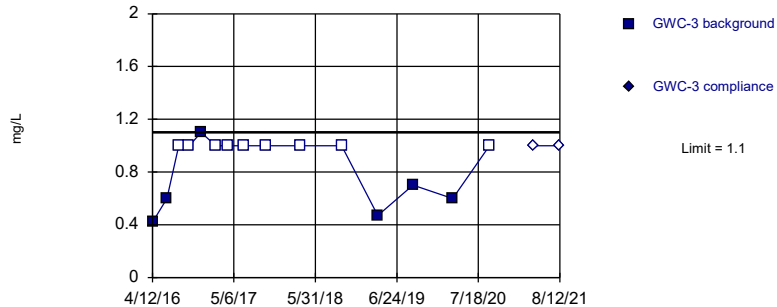


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

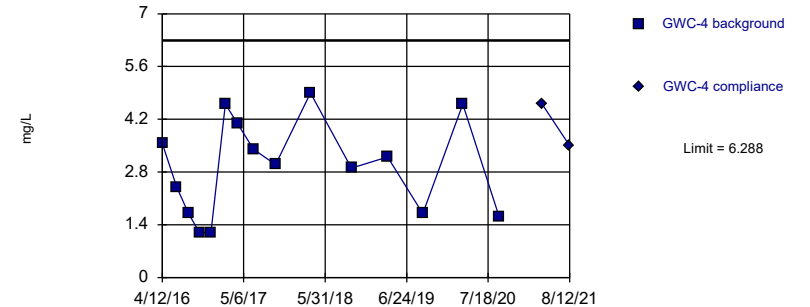


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.937, Std. Dev.=1.27, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

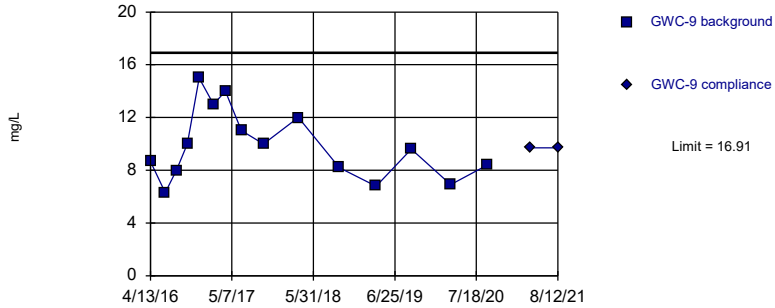
Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR





Within Limit

Prediction Limit  
Intrawell Parametric

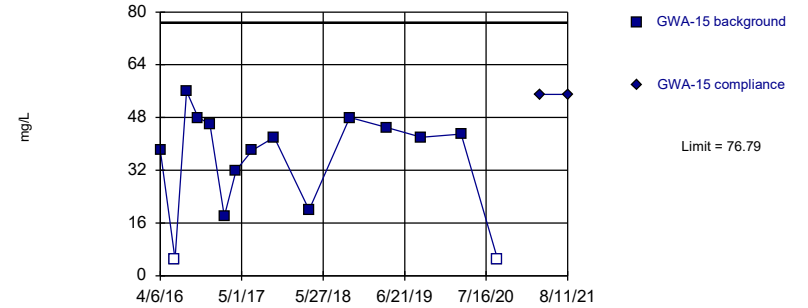


Background Data Summary: Mean=9.857, Std. Dev.=2.672, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9432, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

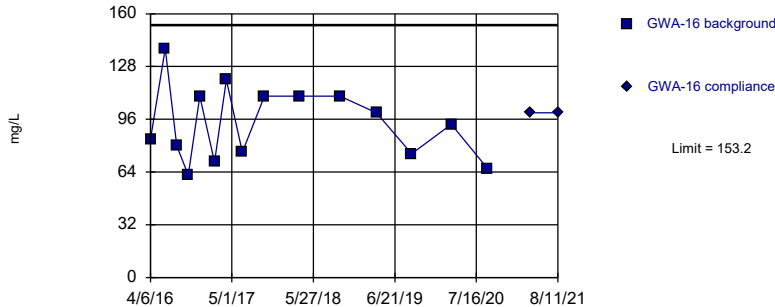


Background Data Summary: Mean=35.07, Std. Dev.=15.82, n=15, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8705, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

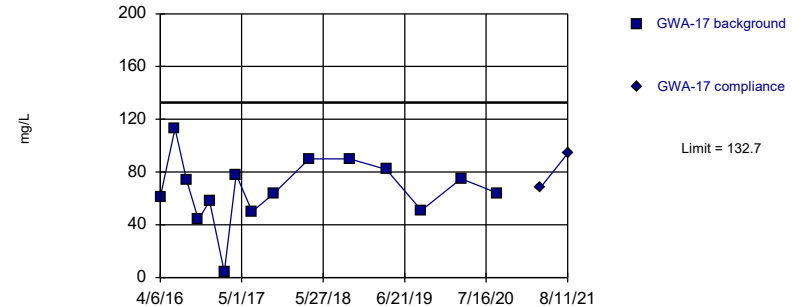


Background Data Summary: Mean=93.67, Std. Dev.=22.56, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9435, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

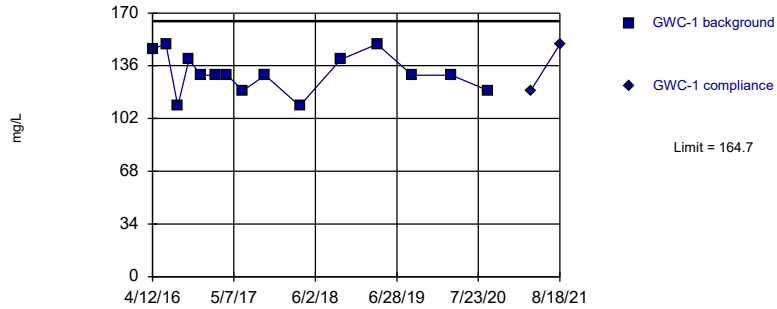
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=66.53, Std. Dev.=25.08, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9509, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

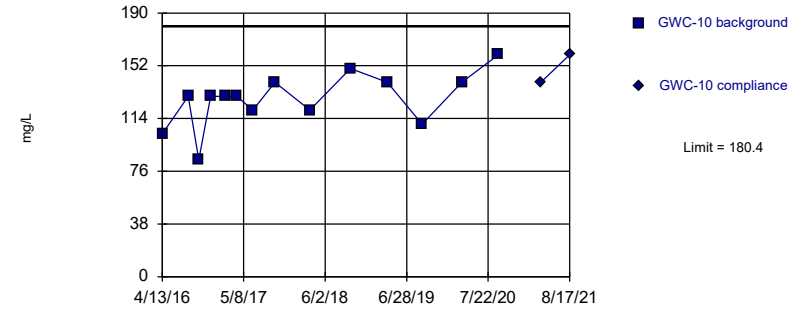
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=131.1, Std. Dev.=12.73, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9189, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

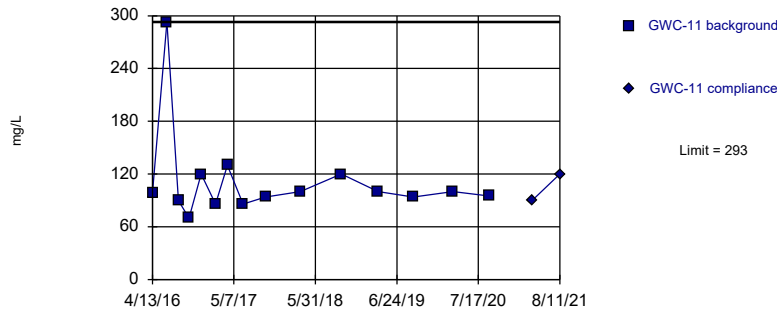
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=127.6, Std. Dev.=19.55, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9575, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

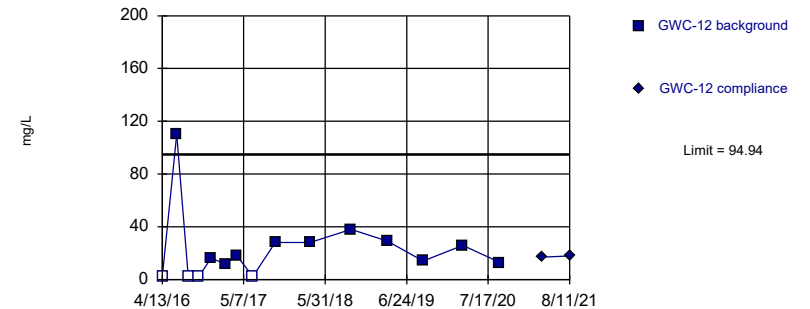
Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

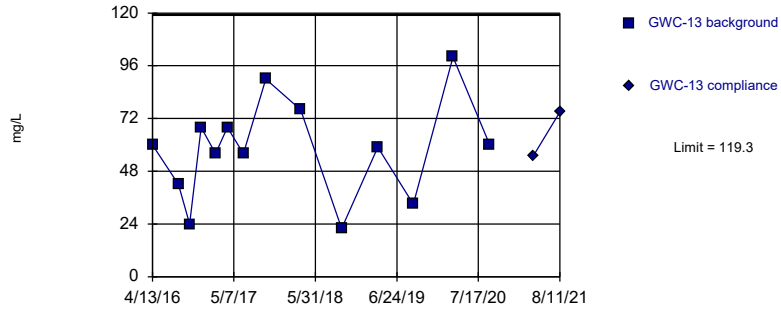
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.249, Std. Dev.=2.083, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8671, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

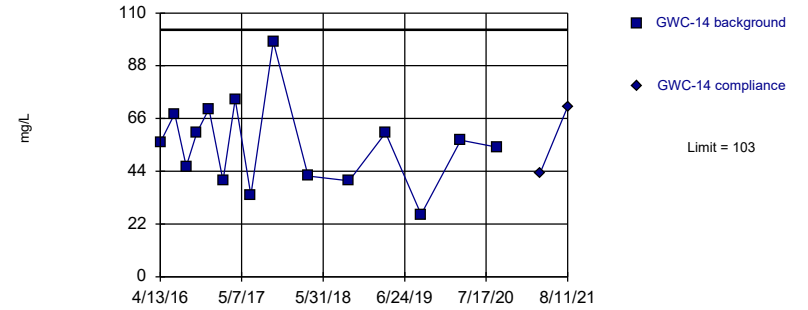
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=58.14, Std. Dev.=22.64, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

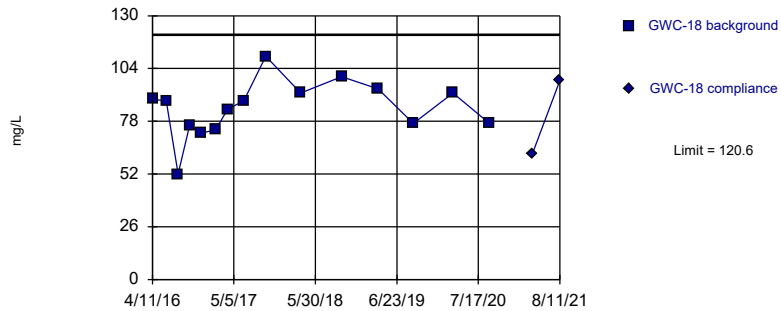
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=55, Std. Dev.=18.21, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

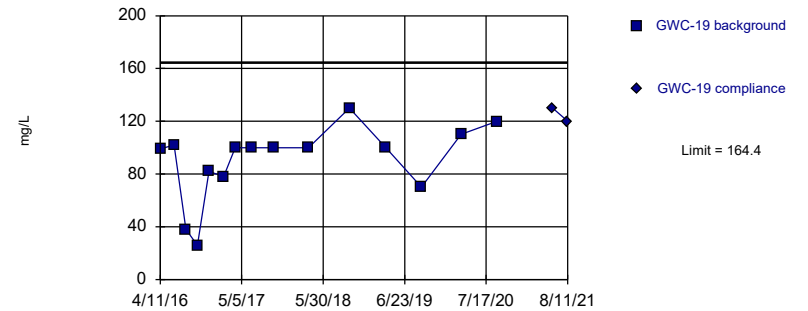
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=84.33, Std. Dev.=13.75, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9595, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

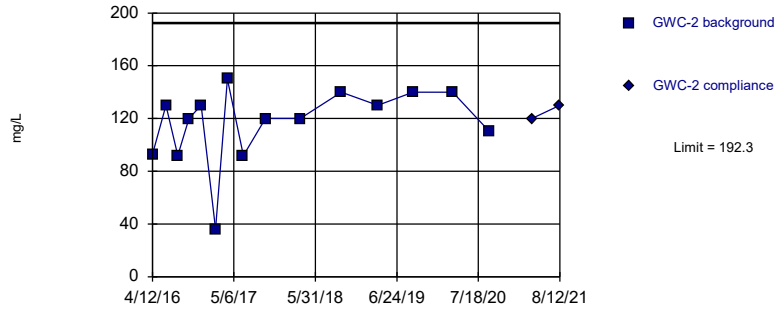
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=90.33, Std. Dev.=28.07, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8649, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

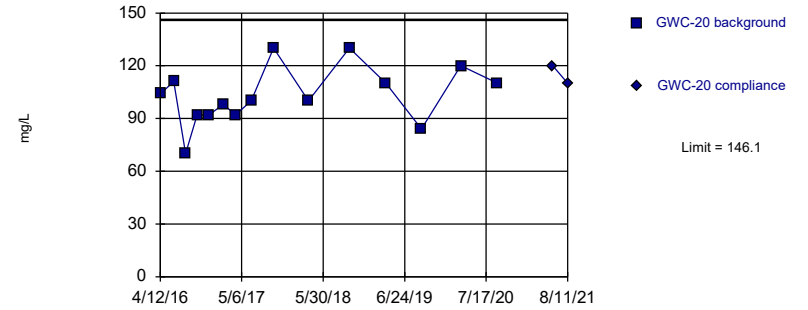
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=116.2, Std. Dev.=28.83, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8491, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

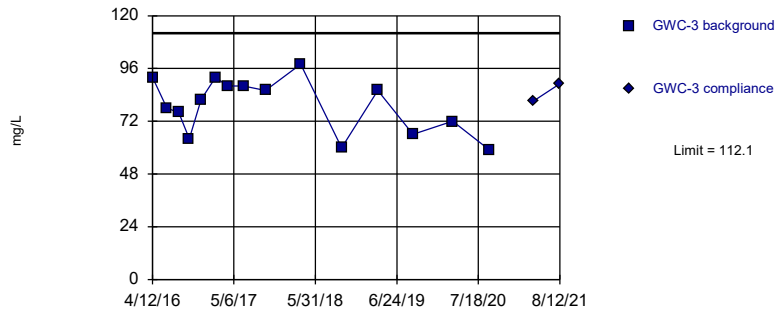
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=102.9, Std. Dev.=16.4, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9664, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

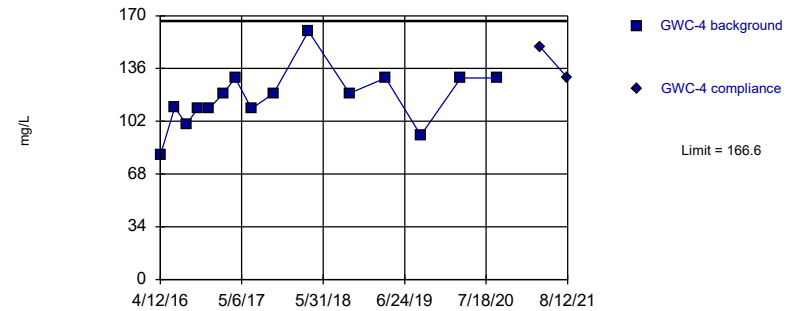
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=79.13, Std. Dev.=12.48, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit Prediction Limit  
Intrawell Parametric

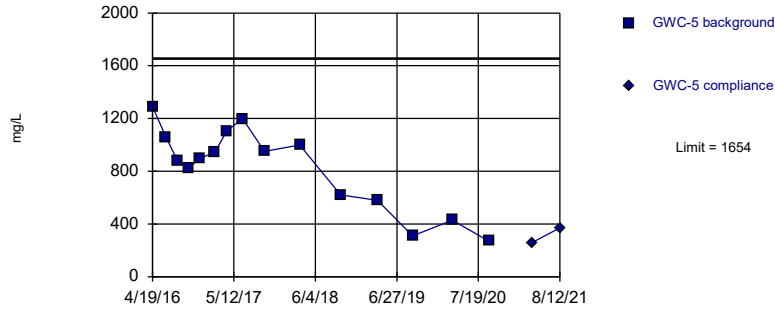


Background Data Summary: Mean=116.9, Std. Dev.=18.84, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

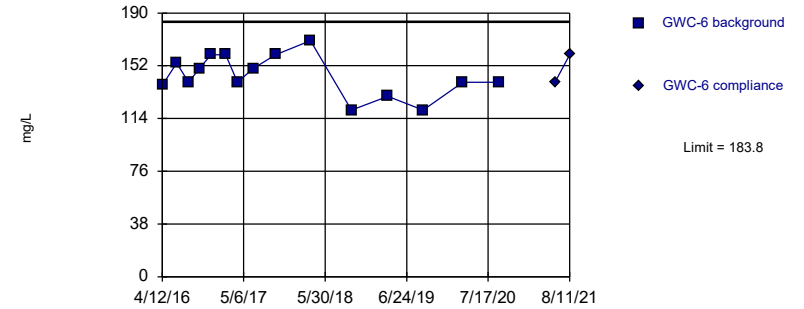


Background Data Summary: Mean=823.3, Std. Dev.=314.8, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

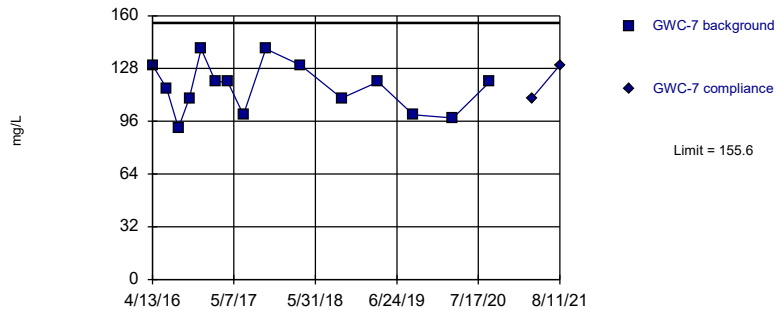


Background Data Summary: Mean=144.8, Std. Dev.=14.77, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

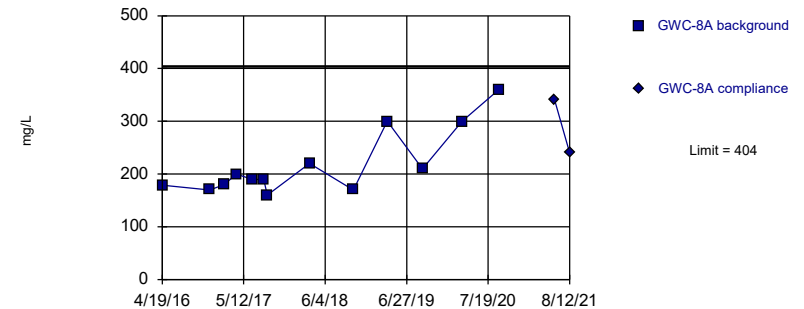


Background Data Summary: Mean=116.4, Std. Dev.=14.86, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



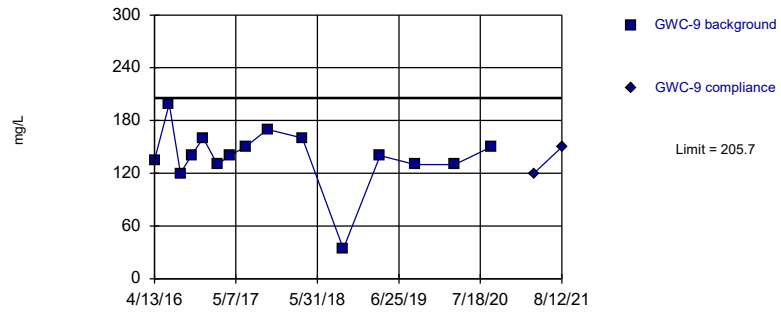
Background Data Summary (based on square root transformation): Mean=14.63, Std. Dev.=1.981, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8244, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=20532, Std. Dev.=8252, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 12/2/2021 1:29 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
4/6/2016	<0.08	
6/15/2016	0.0028 (J)	
8/10/2016	<0.08	
10/5/2016	<0.08	
11/29/2016	<0.08	
2/7/2017	<0.08	
4/4/2017	<0.08	
6/20/2017	<0.08	
10/5/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/9/2020	<0.08	
4/1/2021		<0.08
8/11/2021		<0.08



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
4/12/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<0.08	
10/4/2016	<0.08	
11/30/2016	<0.08	
2/7/2017	<0.08	
4/5/2017	<0.08	
6/20/2017	<0.08	
10/4/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/9/2020	<0.08	
4/1/2021		0.053 (J)
8/18/2021		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
4/13/2016	<0.08 (D)	
6/21/2016	<0.08	
8/15/2016	<0.08	
10/7/2016	<0.08	
12/1/2016	<0.08	
2/9/2017	<0.08	
4/6/2017	<0.08	
6/22/2017	<0.08	
10/6/2017	<0.08	
3/22/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/11/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		0.056 (J)
8/11/2021		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
4/12/2016	<0.08 (D)	
6/20/2016	<0.08	
8/12/2016	<0.08	
10/5/2016	<0.08	
11/30/2016	<0.08	
2/8/2017	<0.08	
4/6/2017	<0.08	
6/21/2017	<0.08	
10/5/2017	<0.08	
3/21/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		0.078 (J)
8/12/2021		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
4/19/2016	<0.1	
6/22/2016	0.238	
8/16/2016	0.39	
10/6/2016	0.34	
12/1/2016	0.37	
2/9/2017	0.38	
4/6/2017	0.4	
6/21/2017	0.39	
10/5/2017	0.47	
3/22/2018	0.48	
10/3/2018	0.47	
3/27/2019	0.33	
9/11/2019	0.31	
3/18/2020	0.26	
9/9/2020	0.24	
4/1/2021		0.23
8/12/2021		0.19

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
4/12/2016	<0.08	
6/20/2016	<0.08	
8/12/2016	<0.08	
10/6/2016	<0.08	
11/30/2016	<0.08	
2/9/2017	<0.08	
4/6/2017	<0.08	
6/21/2017	<0.08	
10/6/2017	<0.08	
3/21/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/11/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/5/2021		0.042 (J)
8/11/2021		0.057 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
4/13/2016	<0.08 (D)	
6/20/2016	<0.08	
8/15/2016	<0.08	
10/6/2016	<0.08	
12/1/2016	<0.08	
2/9/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/6/2017	<0.08	
3/22/2018	<0.08	
10/4/2018	<0.08	
3/27/2019	<0.08	
9/11/2019	<0.08	
3/19/2020	<0.08	
9/10/2020	<0.08	
4/1/2021		<0.08
8/11/2021		0.056 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
4/19/2016	0.145	
10/10/2016	0.12	
12/1/2016	0.12	
2/9/2017	0.13	
4/7/2017	0.21	
6/21/2017	0.23	
8/15/2017	0.27	
9/1/2017	0.24	
3/22/2018	0.25	
10/4/2018	0.21	
3/27/2019	0.16	
9/11/2019	0.21	
3/18/2020	0.16	
9/9/2020	0.13	
4/5/2021		0.18
8/12/2021		0.23

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
4/13/2016	0.0774 (JD)	
6/22/2016	0.0663 (J)	
8/15/2016	0.093	
10/6/2016	0.096	
12/1/2016	0.12	
2/8/2017	0.094	
4/6/2017	0.11	
6/21/2017	0.1	
10/5/2017	0.083	
3/21/2018	0.089	
10/2/2018	0.083	
3/27/2019	0.067	
9/11/2019	0.083	
3/18/2020	0.058 (J)	
9/9/2020	0.088	
4/1/2021		0.059 (J)
8/12/2021		0.1



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
4/6/2016	3.62	
6/15/2016	4.5	
8/10/2016	3.8	
10/4/2016	5.3	
11/30/2016	4.7	
2/7/2017	3.8	
4/4/2017	3.8	
6/20/2017	4.1	
10/4/2017	4.6	
3/20/2018	4.2 (D)	
10/2/2018	4.2	
3/26/2019	4	
9/10/2019	4.8	
3/18/2020	3.8	
9/9/2020	4	
4/1/2021		4
8/11/2021		4.1

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
4/6/2016	12.1	
6/15/2016	11.8	
8/10/2016	10	
10/4/2016	14	
11/29/2016	10	
2/7/2017	12	
4/4/2017	11	
6/20/2017	11	
10/5/2017	13	
3/20/2018	12	
10/2/2018	11	
3/26/2019	11	
9/10/2019	12	
3/18/2020	12	
9/9/2020	11	
4/1/2021		12
8/11/2021		11

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
4/6/2016	6.58	
6/15/2016	6.9	
8/10/2016	5.5	
10/5/2016	6.8	
11/29/2016	4.8	
2/7/2017	7.8	
4/4/2017	6.4	
6/20/2017	7	
10/5/2017	6.6	
3/20/2018	6.6	
10/2/2018	5.8	
3/26/2019	6.7	
9/10/2019	7.5	
3/18/2020	7.3	
9/9/2020	7.3	
4/1/2021		7.8
8/11/2021		7.3

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
4/12/2016	17.1	
6/16/2016	19.8	
8/11/2016	15	
10/4/2016	17	
11/30/2016	16	
2/7/2017	17	
4/5/2017	16	
6/20/2017	17	
10/4/2017	19	
3/20/2018	18	
10/2/2018	16	
3/26/2019	16	
9/10/2019	17	
3/18/2020	19	
9/9/2020	17	
4/1/2021		18
8/18/2021		18

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
4/13/2016	15.6 (D)	
6/21/2016	14.4	
8/15/2016	14	
10/5/2016	17	
12/1/2016	15	
2/8/2017	17	
4/6/2017	16	
6/21/2017	16 (D)	
10/5/2017	19	
3/21/2018	17	
10/2/2018	17	
3/27/2019	16	
9/11/2019	18	
3/18/2020	20	
9/9/2020	20	
4/1/2021		19
8/17/2021		18

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
4/13/2016	12.8 (D)	
6/21/2016	11.6	
8/15/2016	11	
10/5/2016	14	
12/1/2016	12	
2/8/2017	13	
4/6/2017	12	
6/20/2017	13	
10/5/2017	14	
3/21/2018	13	
10/2/2018	12	
3/27/2019	12	
9/11/2019	13	
3/18/2020	14	
9/10/2020	13	
4/1/2021		13
8/11/2021		13

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
4/13/2016	1.18 (D)	
6/21/2016	1.12	
8/15/2016	0.95	
10/5/2016	1	
12/1/2016	0.92	
2/8/2017	1.2	
4/5/2017	1.1	
6/20/2017	0.96	
10/5/2017	1.1	
3/21/2018	1.3 (D)	
10/2/2018	0.86	
3/26/2019	1.1	
9/11/2019	0.94	
3/18/2020	1.6	
9/10/2020	1.1	
4/1/2021		1.2
8/11/2021		1

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
4/13/2016	5.71 (D)	
6/21/2016	5.54	
8/15/2016	5.8	
10/7/2016	6.1	
12/1/2016	5.8	
2/9/2017	6.3	
4/6/2017	5.8	
6/22/2017	6.4 (D)	
10/6/2017	7.4	
3/22/2018	6.8	
10/3/2018	6.4	
3/26/2019	6.3	
9/11/2019	7	
3/18/2020	9.3	
9/10/2020	6.7	
4/6/2021		7.4
8/11/2021		6.7



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
4/13/2016	6.55 (D)	
6/21/2016	6.04	
8/15/2016	5.9	
10/4/2016	6.6	
12/1/2016	5.4	
2/7/2017	6.1	
4/6/2017	6.1	
6/20/2017	6.6	
10/5/2017	7.2	
3/20/2018	6.6	
10/2/2018	6.5	
3/26/2019	6.4	
9/11/2019	7.3	
3/18/2020	6.9	
9/9/2020	6.5	
4/1/2021		6.2
8/11/2021		6.9

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
4/11/2016	10.5	
6/16/2016	11.6	
8/11/2016	10	
10/5/2016	11	
11/29/2016	9.6	
2/8/2017	10	
4/6/2017	9.7	
6/21/2017	9.7 (D)	
10/5/2017	11	
3/20/2018	11	
10/2/2018	9.6	
3/26/2019	9.6	
9/11/2019	10	
3/18/2020	11	
9/9/2020	10	
4/1/2021		11
8/11/2021		10

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
4/11/2016	10.4	
6/16/2016	12.2	
8/11/2016	9.5	
10/5/2016	11	
11/29/2016	9.8	
2/8/2017	10	
4/5/2017	10	
6/21/2017	10 (D)	
10/5/2017	12	
3/20/2018	12	
10/2/2018	11	
3/26/2019	11	
9/12/2019	14	
3/19/2020	14	
9/9/2020	15	
4/5/2021		15
10/7/2021		17

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
4/12/2016	17	
6/16/2016	19.7	
8/11/2016	15	
10/4/2016	18	
11/30/2016	16	
2/7/2017	18	
4/6/2017	16	
6/20/2017	17	
10/4/2017	19	
3/20/2018	18	
10/2/2018	16	
3/26/2019	17	
9/10/2019	18	
3/18/2020	18	
9/9/2020	17	
4/1/2021		17
8/12/2021		17

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
4/12/2016	13.5	
6/16/2016	15	
8/11/2016	12	
10/5/2016	14	
11/30/2016	12	
2/8/2017	14	
4/6/2017	13	
6/21/2017	13 (D)	
10/5/2017	15	
3/21/2018	14	
10/3/2018	13	
3/26/2019	12	
9/12/2019	14	
3/19/2020	14	
9/10/2020	13	
4/5/2021		14
8/11/2021		14

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
4/12/2016	8.52 (D)	
6/20/2016	7.7	
8/12/2016	7.3	
10/5/2016	8.4	
11/30/2016	8	
2/8/2017	9.3	
4/6/2017	8.1	
6/21/2017	9.2 (D)	
10/5/2017	10	
3/21/2018	9.3	
10/3/2018	7.5	
3/26/2019	7.3	
9/10/2019	6.6	
3/18/2020	5.9	
9/10/2020	6.3	
4/6/2021		7.4
8/12/2021		6.6

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
4/12/2016	11	
6/20/2016	10.1	
8/12/2016	9.9	
10/6/2016	12	
11/30/2016	11	
2/8/2017	13	
4/6/2017	12	
6/22/2017	13 (D)	
10/6/2017	15	
3/21/2018	15	
10/3/2018	13	
3/26/2019	13	
9/10/2019	12	
3/19/2020	14	
9/10/2020	13	
4/2/2021		15
8/12/2021		13

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
4/19/2016	198	
6/22/2016	132	
8/16/2016	94	
10/6/2016	100	
12/1/2016	100	
2/9/2017	120	
4/6/2017	140	
6/21/2017	160 (D)	
10/5/2017	130	
3/22/2018	130	
10/3/2018	88	
3/27/2019	75	
9/11/2019	46	
3/18/2020	61	
9/9/2020	35	
4/1/2021		40
8/12/2021		46



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
4/12/2016	17.8	
6/20/2016	19.5	
8/12/2016	17	
10/6/2016	19	
11/30/2016	19	
2/9/2017	18	
4/6/2017	18	
6/21/2017	19 (D)	
10/6/2017	19	
3/21/2018	19	
10/3/2018	16	
3/26/2019	16	
9/11/2019	19	
3/18/2020	15	
9/10/2020	16	
4/5/2021		16
8/11/2021		16

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
4/13/2016	14 (D)	
6/20/2016	13.8	
8/15/2016	13	
10/6/2016	14	
12/1/2016	13	
2/9/2017	14	
4/7/2017	14	
6/22/2017	14 (D)	
10/6/2017	16	
3/22/2018	15	
10/4/2018	13	
3/27/2019	14	
9/11/2019	14	
3/19/2020	15	
9/10/2020	15	
4/1/2021		15
8/11/2021		14

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
4/19/2016	20	
10/10/2016	19	
12/1/2016	18	
2/9/2017	20	
4/7/2017	27	
6/21/2017	27 (D)	
8/15/2017	29	
9/1/2017	32	
3/22/2018	30	
10/4/2018	37	
3/27/2019		47
9/11/2019		37
3/18/2020		53
9/9/2020		64
4/5/2021		52
8/12/2021		37

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
4/13/2016	18 (D)	
6/22/2016	16.7	
8/15/2016	16	
10/6/2016	17	
12/1/2016	17	
2/8/2017	18	
4/6/2017	17	
6/21/2017	17 (D)	
10/5/2017	19	
3/21/2018	19	
10/2/2018	16	
3/27/2019	16	
9/11/2019	17	
3/18/2020	16	
9/9/2020	16	
4/1/2021		16
8/12/2021		18

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
4/6/2016	5.342	
6/15/2016	5.2	
8/10/2016	5.5	
10/4/2016	5.4	
11/30/2016	5.4	
2/7/2017	5.1	
4/4/2017	5.1	
6/20/2017	5.2	
10/4/2017	5.2	
3/20/2018	5.6 (D)	
10/2/2018	6.3	
3/26/2019	5.5	
9/10/2019	5.2	
3/18/2020	5.4	
9/9/2020	6.1	
4/1/2021		7
8/11/2021		7.2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:34 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
4/6/2016	1.789	
6/15/2016	2.1	
8/10/2016	1.8	
10/4/2016	1.7	
11/29/2016	1.7	
2/7/2017	1.6	
4/4/2017	1.6	
6/20/2017	1.6	
10/5/2017	1.5	
3/20/2018	1.5	
10/2/2018	1.6	
3/26/2019	1.5	
9/10/2019	1.4	
3/18/2020	1.7	
9/9/2020	1.6	
4/1/2021		1.8
8/11/2021		1.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
4/6/2016	1.69	
6/15/2016	1.9	
8/10/2016	1.7	
10/5/2016	1.6	
11/29/2016	1.7	
2/7/2017	1.6	
4/4/2017	1.5	
6/20/2017	1.5	
10/5/2017	1.5	
3/20/2018	1.4	
10/2/2018	1.5	
3/26/2019	1.3	
9/10/2019	1.3	
3/18/2020	2	
9/9/2020	1.3	
4/1/2021		1.5
8/11/2021		1.4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
4/12/2016	4.32	
6/16/2016	3.8	
8/11/2016	4	
10/4/2016	3.6	
11/30/2016	3.8	
2/7/2017	4.3	
4/5/2017	4.1	
6/20/2017	3.9	
10/4/2017	3.6	
3/20/2018	3.9	
10/2/2018	3.7	
3/26/2019	3.6	
9/10/2019	2.9	
3/18/2020	4.2	
9/9/2020	3.9	
4/1/2021		4.2
8/18/2021		4



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
4/13/2016	2.04 (D)	
6/21/2016	2.2	
8/15/2016	2.2	
10/5/2016	2.1	
12/1/2016	2.1	
2/8/2017	2.3	
4/6/2017	2.2	
6/21/2017	2.3	
10/5/2017	2.3	
3/21/2018	2.3	
10/2/2018	2.6	
3/27/2019	2.4	
9/11/2019	2.9	
3/18/2020	4.1	
9/9/2020	4.3	
4/1/2021		4.4
8/17/2021		3.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
4/13/2016	1.78 (D)	
6/21/2016	2	
8/15/2016	1.9	
10/5/2016	1.8	
12/1/2016	1.8	
2/8/2017	1.8	
4/6/2017	1.7	
6/20/2017	1.7	
10/5/2017	1.7	
3/21/2018	1.6	
10/2/2018	1.7	
3/27/2019	1.5	
9/11/2019	1.8	
3/18/2020	1.9	
9/10/2020	1.9	
4/1/2021		1.9
8/11/2021		1.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
4/13/2016	1.8 (D)	
6/21/2016	2	
8/15/2016	1.8	
10/5/2016	1.7	
12/1/2016	1.7	
2/8/2017	1.7	
4/5/2017	1.7	
6/20/2017	1.6	
10/5/2017	1.6	
3/21/2018	1.6 (D)	
10/2/2018	1.6	
3/26/2019	1.7	
9/11/2019	1.9	
3/18/2020	2.1	
9/10/2020	1.8	
4/1/2021		2
8/11/2021		1.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
4/13/2016	1.82 (D)	
6/21/2016	1.9	
8/15/2016	1.6	
10/7/2016	1.5	
12/1/2016	1.4	
2/9/2017	1.5	
4/6/2017	1.4	
6/22/2017	1.5	
10/6/2017	1.3	
3/22/2018	1.4	
10/3/2018	1.5	
3/26/2019	1.6	
9/11/2019	1.5	
3/18/2020	1.6	
9/10/2020	1.7	
4/6/2021		1.8
8/11/2021		1.6

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
4/13/2016	2.71 (D)	
6/21/2016	3	
8/15/2016	3.1	
10/4/2016	3	
12/1/2016	3.1	
2/7/2017	2.9	
4/6/2017	2.7	
6/20/2017	2.9	
10/5/2017	2.8	
3/20/2018	2.7	
10/2/2018	3	
3/26/2019	2.5	
9/11/2019	3.1	
3/18/2020	3	
9/9/2020	2.9	
4/1/2021		3.8
8/11/2021		3.7

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
4/11/2016	2.53	
6/16/2016	2.5	
8/11/2016	2.6	
10/5/2016	2.5	
11/29/2016	2.4	
2/8/2017	2.5	
4/6/2017	2.4	
6/21/2017	2.4	
10/5/2017	2.3	
3/20/2018	2.3	
10/2/2018	2.5	
3/26/2019	2.7	
9/11/2019	2.6	
3/18/2020	2.7	
9/9/2020	2.8	
4/1/2021		2.8
8/11/2021		2.9

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
4/11/2016	1.84	
6/16/2016	1.9	
8/11/2016	1.9	
10/5/2016	1.7	
11/29/2016	1.7	
2/8/2017	1.7	
4/5/2017	1.7	
6/21/2017	1.7	
10/5/2017	1.6	
3/20/2018	1.6	
10/2/2018	1.7	
3/26/2019	1.8	
9/12/2019	1.5	
3/19/2020	2.2	
9/9/2020	2.4	
6/1/2021		2.6
8/11/2021		2.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
4/12/2016	2.34	
6/16/2016	2.4	
8/11/2016	2.4	
10/4/2016	2.2	
11/30/2016	2.2	
2/7/2017	2.1	
4/6/2017	2.1	
6/20/2017	2.1	
10/4/2017	2	
3/20/2018	2	
10/2/2018	2	
3/26/2019	1.9	
9/10/2019	1.7	
3/18/2020	2.4	
9/9/2020	2	
4/1/2021		2.5
8/12/2021		2.5



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
4/12/2016	2.03	
6/16/2016	2.2	
8/11/2016	2.1	
10/5/2016	1.9	
11/30/2016	2	
2/8/2017	2	
4/6/2017	<1	
6/21/2017	1.9	
10/5/2017	1.9	
3/21/2018	1.8	
10/3/2018	2	
3/26/2019	1.9	
9/12/2019	1.6	
3/19/2020	2.2	
9/10/2020	2.1	
6/1/2021		2.1
8/11/2021		2.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
4/12/2016	3.04 (D)	
6/20/2016	3.1	
8/16/2016	3.2	
10/5/2016	3.2	
11/30/2016	3.3	
2/8/2017	3.5	
4/6/2017	3.4	
6/21/2017	3.5	
10/5/2017	3.5	
3/21/2018	3.4	
10/3/2018	3.5	
3/26/2019	3	
9/10/2019	2.5	
3/18/2020	2.8	
9/10/2020	2.7	
4/6/2021		2.9
8/12/2021		3.3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
4/12/2016	4.57	
6/20/2016	3.1	
8/16/2016	3.2	
10/6/2016	3.4	
11/30/2016	4.1	
2/8/2017	7.2	
4/6/2017	7.4	
6/22/2017	7.8	
10/6/2017	9.1	
3/21/2018	13	
10/3/2018	13	
3/26/2019	9.2	
9/10/2019	5.1	
3/19/2020	8.7	
9/10/2020	9.7	
4/2/2021		11
8/12/2021		12

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
4/19/2016	124 (o)	
6/22/2016	81	
8/16/2016	71	
10/6/2016	68	
12/1/2016	74	
2/9/2017	76	
4/6/2017	92	
6/21/2017	100	
10/5/2017	67	
3/22/2018	74	
10/3/2018	46	
3/27/2019	42	
9/11/2019	19	
3/18/2020	30	
9/9/2020	8.7	
4/1/2021		18
8/12/2021		22

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
6/20/2016	6.8	
8/16/2016	7.6	
10/6/2016	7.3	
11/30/2016	7.1	
2/9/2017	5.8	
4/6/2017	5.7	
6/21/2017	6.1	
10/6/2017	5.1	
3/21/2018	5.4	
10/3/2018	5.7	
3/26/2019	4.2	
9/11/2019	7.2	
3/18/2020	4	
9/10/2020	6.3	
6/2/2021		6.3
8/11/2021		6.5

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
4/13/2016	1.68 (D)	
6/20/2016	2	
8/15/2016	1.8	
10/6/2016	1.7	
12/1/2016	1.7	
2/9/2017	1.7	
4/7/2017	1.7	
6/22/2017	1.6	
10/6/2017	1.6	
3/22/2018	1.6	
10/4/2018	1.7	
3/27/2019	1.7	
9/11/2019	2.1	
3/19/2020	2.1	
9/10/2020	2.5	
4/1/2021		2.9
8/11/2021		3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
4/19/2016	6.9	
10/10/2016	7.2	
12/1/2016	7.1	
2/9/2017	7.2	
4/7/2017	7.5	
6/21/2017	7.6	
8/15/2017	7.8	
9/1/2017	7.6	
3/22/2018	7	
10/4/2018	6.1	
3/27/2019	6.6	
9/11/2019	7	
3/18/2020	8.5	
9/9/2020	11	
6/1/2021		9.4
8/12/2021		7.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
4/13/2016	3.64 (D)	
6/22/2016	3.8	
8/15/2016	3.7	
10/6/2016	3.4	
12/1/2016	4	
2/8/2017	4	
4/6/2017	4	
6/21/2017	3.3	
10/5/2017	3.3	
3/21/2018	3.6	
10/2/2018	3.1	
3/27/2019	3	
9/11/2019	3.4	
3/18/2020	3.4	
9/9/2020	3.2	
4/1/2021		4.3
8/12/2021		4.1



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
4/6/2016	0.017 (J)	
6/15/2016	<0.1	
8/10/2016	<0.1	
10/4/2016	<0.1	
11/30/2016	<0.1	
2/7/2017	<0.1	
4/4/2017	<0.1	
6/20/2017	<0.1	
10/4/2017	<0.1	
3/20/2018	<0.1 (D)	
10/2/2018	<0.1	
3/26/2019	<0.1	
9/10/2019	<0.1	
3/18/2020	0.036 (J)	
9/9/2020	<0.1	
4/1/2021		<0.1
8/11/2021		0.036 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
4/6/2016	0.048 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/4/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.041 (J)	
9/10/2019	0.047 (J)	
3/18/2020	0.041 (J)	
9/9/2020	0.034 (J)	
4/1/2021		0.035 (J)
8/11/2021		0.05 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
4/6/2016	0.039 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/5/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.042 (J)	
9/10/2019	0.046 (J)	
3/18/2020	0.071 (J)	
9/9/2020	0.036 (J)	
4/1/2021		0.042 (J)
8/11/2021		0.053 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
4/12/2016	0.087 (J)	
6/16/2016	0.04 (J)	
8/11/2016	0.092 (J)	
10/4/2016	<0.082	
11/30/2016	0.091 (J)	
2/7/2017	<0.082	
4/5/2017	<0.082	
6/20/2017	0.082 (J)	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	0.089 (J)	
3/26/2019	0.072 (J)	
9/10/2019	0.077 (J)	
3/18/2020	0.098 (J)	
9/9/2020	0.069 (J)	
4/1/2021		0.081 (J)
10/18/2021		0.081 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
4/13/2016	0.082 (JD)	
6/21/2016	0.02 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.077 (J)	
9/11/2019	0.067 (J)	
3/18/2020	0.088 (J)	
9/9/2020	0.055 (J)	
4/1/2021		0.086 (J)
8/17/2021		0.083 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
4/13/2016	0.061 (JD)	
6/21/2016	0.03 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.048 (J)	
9/11/2019	0.054 (J)	
3/18/2020	0.064 (J)	
9/10/2020	0.052 (J)	
4/1/2021		0.042 (J)
8/11/2021		0.051 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
4/13/2016	0.01 (JD)	
6/21/2016	<0.1	
8/15/2016	<0.1	
10/5/2016	<0.1	
12/1/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/20/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1 (D)	
10/2/2018	<0.1	
3/26/2019	0.026 (J)	
9/11/2019	0.039 (J)	
3/18/2020	0.046 (J)	
9/10/2020	<0.1	
4/1/2021		<0.1
8/11/2021		0.029 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
4/13/2016	0.039 (JD)	
6/21/2016	<0.082	
8/15/2016	<0.082	
10/7/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/22/2017	<0.082	
10/6/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.04 (J)	
9/11/2019	0.051 (J)	
3/18/2020	0.055 (J)	
9/10/2020	0.034 (J)	
4/6/2021		0.026 (J)
8/11/2021		0.045 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
4/13/2016	0.027 (JD)	
6/21/2016	<0.1	
8/15/2016	<0.1	
10/4/2016	<0.1	
12/1/2016	<0.1	
2/7/2017	<0.1	
4/6/2017	<0.1	
6/20/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.034 (J)	
9/11/2019	0.045 (J)	
3/18/2020	0.068 (J)	
9/9/2020	<0.1	
4/1/2021		<0.1
8/11/2021		0.045 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
4/11/2016	0.047 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.046 (J)	
9/11/2019	0.055 (J)	
3/18/2020	<0.1	
9/9/2020	0.045 (J)	
4/1/2021		0.041 (J)
8/11/2021		0.062 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
4/11/2016	0.048 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.04 (J)	
9/12/2019	0.032 (J)	
3/19/2020	<0.1	
9/9/2020	0.034 (J)	
6/1/2021		0.026 (J)
8/11/2021		0.047 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
4/12/2016	0.046 (J)	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/4/2016	<0.082	
11/30/2016	<0.082	
2/7/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.046 (J)	
9/10/2019	0.048 (J)	
3/18/2020	0.055 (J)	
9/9/2020	0.033 (J)	
4/1/2021		0.043 (J)
8/12/2021		0.054 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
4/12/2016	0.056 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/30/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1	
10/3/2018	<0.1	
3/26/2019	0.045 (J)	
9/12/2019	0.044 (J)	
3/19/2020	<0.1	
9/10/2020	0.051 (J)	
6/1/2021		0.033 (J)
8/11/2021		0.051 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
4/12/2016	0.057 (JD)	
6/20/2016	0.04 (J)	
8/16/2016	<0.082	
10/5/2016	<0.082	
11/30/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.046 (J)	
9/10/2019	0.058 (J)	
3/18/2020	0.091 (J)	
9/10/2020	0.063 (J)	
4/6/2021		0.045 (J)
8/12/2021		0.084 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
4/12/2016	0.121 (J)	
6/20/2016	0.04 (J)	
8/16/2016	0.13 (J)	
10/6/2016	0.1 (J)	
11/30/2016	0.13 (J)	
2/8/2017	0.093 (J)	
4/6/2017	0.1 (J)	
6/22/2017	0.11 (J)	
10/6/2017	0.096 (J)	
3/21/2018	0.094 (J)	
10/3/2018	0.1 (J+X)	
3/26/2019	0.087 (J)	
9/10/2019	0.097 (J)	
3/19/2020	0.038 (J)	
9/10/2020	0.1	
4/2/2021		0.097 (J)
8/12/2021		0.11

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
4/19/2016	0.024 (J)	
6/22/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.038 (J)	
9/11/2019	0.045 (J)	
3/18/2020	0.055 (J)	
9/9/2020	0.033 (J)	
4/1/2021		0.029 (J)
8/12/2021		0.045 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
4/12/2016	0.061 (J)	
6/20/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
11/30/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/6/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.058 (J)	
9/11/2019	0.058 (J)	
3/18/2020	0.082 (J)	
9/10/2020	0.052 (J)	
6/2/2021		0.038 (J)
8/11/2021		0.055 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
4/13/2016	0.061 (JD)	
6/20/2016	0.12 (J)	
8/15/2016	<0.1	
10/6/2016	<0.1	
12/1/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/6/2017	<0.1	
3/22/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	0.04 (J)	
9/11/2019	0.057 (J)	
3/19/2020	<0.1	
9/10/2020	0.053 (J)	
4/1/2021		0.072 (J)
8/11/2021		0.058 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
4/19/2016	0.135 (J)	
10/10/2016	0.12 (J)	
12/1/2016	0.12 (J)	
2/9/2017	0.11 (J)	
4/7/2017	0.15 (J)	
6/21/2017	0.21	
8/15/2017	0.1 (J)	
9/1/2017	0.084 (J)	
3/22/2018	0.091 (J)	
10/4/2018	0.14 (J+X)	
3/27/2019	0.071 (J)	
9/11/2019	0.071 (J)	
3/18/2020	0.073 (J)	
9/9/2020	0.038 (J)	
6/1/2021		0.034 (J)
8/12/2021		0.087 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
4/13/2016	0.083 (JD)	
6/22/2016	0.03 (J)	
8/15/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	0.084 (J)	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.066 (J)	
9/11/2019	0.067 (J)	
3/18/2020	0.096 (J)	
9/9/2020	0.067 (J)	
4/1/2021		0.072 (J)
8/12/2021		0.085 (J)

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
5/20/2014	5.27	
11/12/2014	5.7	
5/22/2015	5.52	
11/11/2015	5.63	
4/6/2016	5.5 (D)	
6/15/2016	5.52	
8/10/2016	5.5	
10/4/2016	5.56	
11/30/2016	5.46	
2/7/2017	5.28 (O)	
4/1/2017	5.48	
4/4/2017	5.48	
6/20/2017	5.44	
10/4/2017	5.44	
3/20/2018	5.48	
10/2/2018	5.49	
3/26/2019	5.41	
3/18/2020	5.42	
9/9/2020	5.71	
4/1/2021		5.31
8/11/2021		5.5

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
5/20/2014	6.18	
11/8/2014	6.52	
5/22/2015	6.3	
11/11/2015	6.36	
4/6/2016	6.46 (D)	
6/15/2016	6.39	
8/10/2016	6.39	
10/4/2016	6.4	
11/29/2016	6.36	
2/7/2017	6.45	
4/4/2017	6.37	
6/20/2017	6.4	
10/5/2017	6.42	
3/20/2018	6.36	
10/2/2018	6.38	
3/26/2019	6.42	
3/18/2020	6.29	
9/9/2020	6.33	
4/1/2021		6.44
8/11/2021		6.35

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
5/20/2014	5.68	
11/8/2014	6.04	
5/22/2015	5.87	
11/9/2015	5.97	
4/6/2016	5.937 (D)	
6/15/2016	5.96	
8/10/2016	5.94	
10/5/2016	5.86	
11/29/2016	5.82	
2/7/2017	6.15	
4/4/2017	6	
6/20/2017	6.34	
10/5/2017	5.93	
3/20/2018	5.97	
10/2/2018	6.03	
3/26/2019	6.12	
3/18/2020	6.03	
9/9/2020	6.05	
4/1/2021		6.14
8/11/2021		6.14

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
5/23/2014	6.46	
11/13/2014	6.67	
5/23/2015	6.53	
11/11/2015	6.71	
4/12/2016	6.53 (D)	
6/16/2016	6.49	
8/11/2016	6.5	
10/4/2016	6.5	
11/30/2016	6.48	
2/7/2017	6.38	
4/5/2017	6.36	
6/20/2017	6.45	
10/4/2017	6.5	
3/20/2018	6.63	
10/2/2018	6.57	
3/26/2019	6.54	
3/18/2020	6.53	
9/9/2020	6.57	
4/1/2021		6.52
10/18/2021		6.36



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
5/21/2014	6.3	
11/12/2014	6.49	
5/23/2015	6.3	
11/12/2015	6.45	
4/13/2016	6.42 (D)	
6/21/2016	6.36	
8/15/2016	6.3	
10/5/2016	6.25	
12/1/2016	6.32	
2/8/2017	6.04	
4/6/2017	6.35	
6/21/2017	6.2	
10/5/2017	6.21	
3/21/2018	6.56	
10/2/2018	6.35	
3/27/2019	6.53	
3/18/2020	6.34	
9/9/2020	6.4	
4/1/2021		6.35
10/18/2021		6.25

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
5/20/2014	6.14	
11/12/2014	6.33	
5/24/2015	6.04	
11/12/2015	6.31	
4/13/2016	6.17 (D)	
6/21/2016	6.19	
8/15/2016	6.15	
10/5/2016	6.1	
12/1/2016	6.15	
2/8/2017	5.9 (O)	
4/6/2017	6.13	
6/20/2017	6.12	
10/5/2017	6.11	
3/21/2018	6.21	
10/2/2018	6.21	
3/27/2019	6.22	
3/18/2020	6.17	
9/10/2020	6.16	
4/1/2021		6.11
8/11/2021		6.21

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
5/20/2014	4.86	
11/12/2014	5.3	
5/23/2015	5.04	
11/12/2015	5.31	
4/13/2016	5.22 (D)	
6/21/2016	5.2	
8/15/2016	5.12	
10/5/2016	5.07	
10/7/2016	5.07	
12/1/2016	5.08	
2/8/2017	4.76 (O)	
4/5/2017	5.1	
6/20/2017	5.13	
10/5/2017	5.1	
3/21/2018	5.33	
10/2/2018	5.16	
3/26/2019	5.25	
3/18/2020	5.19	
9/10/2020	5.1	
4/1/2021		5.18
8/11/2021		5.2

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
5/20/2014	5.6	
11/12/2014	6.02	
5/24/2015	5.81	
11/12/2015	5.93	
4/13/2016	5.88 (D)	
6/21/2016	5.9	
8/15/2016	5.86	
10/4/2016	5.85	
10/7/2016	5.85	
12/1/2016	5.85	
2/9/2017	5.92	
4/6/2017	5.85	
6/22/2017	5.9	
10/6/2017	5.88	
3/22/2018	5.88	
10/3/2018	5.95	
3/26/2019	5.89	
3/18/2020	5.81	
9/10/2020	5.83	
4/6/2021		5.95
8/11/2021		5.92

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
5/20/2014	5.38	
11/12/2014	5.77	
5/24/2015	5.53	
11/11/2015	5.68	
4/13/2016	5.58 (D)	
6/21/2016	5.59	
8/15/2016	5.56	
10/4/2016	5.66	
12/1/2016	5.54	
2/7/2017	5.42 (O)	
4/6/2017	5.55	
6/20/2017	5.57	
10/5/2017	5.55	
3/20/2018	5.73	
10/2/2018	5.68	
3/26/2019	5.63	
3/18/2020	5.61	
9/9/2020	5.88	
4/1/2021		5.53
8/11/2021		5.61

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
5/23/2014	6.19	
11/8/2014	6.42	
5/22/2015	6.26	
11/10/2015	6.29	
4/11/2016	6.3 (D)	
6/16/2016	6.34	
8/11/2016	6.28	
10/5/2016	6.27	
11/29/2016	6.39	
2/8/2017	6.35	
4/6/2017	6.26	
6/21/2017	6.24	
10/5/2017	6.31	
3/20/2018	6.34	
10/2/2018	6.38	
3/26/2019	6.38	
3/18/2020	6.32	
9/9/2020	6.3	
4/1/2021		6.37
8/11/2021		6.43

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
5/22/2014	6.37	
11/8/2014	6.51	
5/22/2015	6.35	
11/10/2015	6.41	
4/11/2016	6.36 (D)	
6/16/2016	6.35	
8/11/2016	6.37	
10/5/2016	5.78 (O)	
11/29/2016	6.44	
2/8/2017	6.4	
4/5/2017	6.35	
6/21/2017	6.36	
10/5/2017	6.41	
3/20/2018	6.37	
10/2/2018	6.41	
3/26/2019	6.35	
3/19/2020	6.27	
9/9/2020	6.27	
4/5/2021		6.37
6/1/2021		6.18
8/11/2021		6.35

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
5/22/2014	6.74	
11/13/2014	6.94	
5/24/2015	7	
11/11/2015	6.55	
4/12/2016	6.52 (D)	
6/16/2016	6.38	
8/11/2016	6.38	
10/4/2016	6.39	
11/30/2016	6.38	
2/7/2017	6.43	
4/6/2017	6.23 (O)	
6/20/2017	6.36	
10/4/2017	6.35	
3/20/2018	6.52	
10/2/2018	6.51	
3/26/2019	6.44	
3/18/2020	6.41	
9/9/2020	6.44	
4/1/2021		7.32
8/12/2021		6.41



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
5/22/2014	6.33	
11/9/2014	6.66	
5/22/2015	6.49	
11/10/2015	6.53	
4/12/2016	6.53 (D)	
6/16/2016	6.51	
8/11/2016	6.49	
10/5/2016	6.46	
11/30/2016	6.5	
2/8/2017	6.59	
4/6/2017	6.47	
6/21/2017	6.53	
10/5/2017	6.51	
3/21/2018	6.5	
10/3/2018	6.48	
3/26/2019	6.52	
3/19/2020	6.47	
9/10/2020	6.49	
4/5/2021		6.64
6/1/2021		6.39
8/11/2021		6.58

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
5/22/2014	5.82	
11/9/2014	6.1	
5/22/2015	5.92	
11/16/2015	6.02	
4/12/2016	5.97 (D)	
6/20/2016	5.93	
8/12/2016	5.86	
8/16/2016	5.86	
10/5/2016	5.1 (O)	
11/30/2016	5.88	
2/8/2017	5.89	
4/6/2017	5.84	
6/21/2017	5.91	
10/5/2017	5.93	
3/21/2018	5.96	
10/3/2018	5.97	
3/26/2019	6.02	
3/18/2020	5.9	
9/10/2020	6.24	
4/6/2021		6.01
8/12/2021		6.12

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
5/22/2014	6.17	
11/9/2014	6.45	
5/22/2015	6.26	
11/11/2015	6.3	
4/12/2016	6.44 (D)	
6/20/2016	6.33	
8/16/2016	6.3	
10/6/2016	6.21	
11/30/2016	6.26	
2/8/2017	6.35	
4/6/2017	6.29	
6/22/2017	6.31	
10/6/2017	5.9	
3/21/2018	6.23	
10/3/2018	6.25	
3/26/2019	6.34	
3/19/2020	6.32	
9/10/2020	6.46	
4/2/2021		6.35
8/12/2021		6.3

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
5/22/2014	5.89	
11/9/2014	6.14	
5/24/2015	5.7	
11/11/2015	5.78	
4/19/2016	5.55	
6/22/2016	5.6	
8/16/2016	5.7	
10/6/2016	5.64	
12/1/2016	5.62	
2/9/2017	5.64	
4/6/2017	5.66	
6/21/2017	5.68	
10/5/2017	5.64	
3/22/2018	5.9	
10/3/2018	5.74	
3/27/2019	5.78	
3/18/2020	5.81	
9/9/2020	6.08	
4/1/2021		6.01
8/12/2021		5.87

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
5/21/2014	6.09	
11/9/2014	6.36	
5/24/2015	6.17	
11/11/2015	6.19	
4/12/2016	6.22	
6/20/2016	6.2	
8/12/2016	6.17	
10/6/2016	6.14	
11/30/2016	6.14	
2/9/2017	6.18	
4/6/2017	6.17	
6/21/2017	6.17	
10/6/2017	6.19	
3/21/2018	6.21	
10/3/2018	6.22	
3/26/2019	6.25	
3/18/2020	6.19	
9/10/2020	6.43	
4/5/2021		6.36
6/2/2021		6.09
8/11/2021		6.14

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
5/21/2014	6.25	
5/24/2015	6.32	
11/11/2015	6.35	
4/13/2016	6.42	
6/20/2016	6.4	
8/15/2016	6.31	
10/6/2016	6.27	
12/1/2016	6.28	
2/9/2017	6.32	
4/7/2017	6.28	
6/22/2017	6.29	
10/6/2017	5.96	
3/22/2018	6.34	
10/4/2018	6.36	
3/27/2019	6.38	
3/19/2020	6.41	
9/10/2020	6.32	
4/1/2021		6.4
8/11/2021		6.26

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
5/21/2014	7.11	
11/13/2014	6.55	
5/23/2015	6.36	
11/11/2015	6.36	
4/19/2016	6.4	
6/23/2016	6.35	
8/23/2016	6.29	
10/10/2016	6.3	
12/1/2016	6.37	
2/9/2017	6.39	
2/27/2017	6.24	
4/7/2017	6.93	
6/21/2017	7.11 (D)	
8/15/2017	6.95	
9/1/2017	6.86	
10/9/2017	6.75	
3/22/2018	7.05	
10/4/2018	7.26	
3/27/2019	6.69	
3/18/2020	6.42	
9/9/2020	6.3	
4/5/2021		6.35
6/1/2021		6.28
8/12/2021		6.37

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
5/21/2014	6.31	
11/12/2014	6.81	
5/23/2015	6.42	
11/12/2015	6.7	
4/13/2016	6.59	
6/22/2016	6.49	
8/15/2016	6.61	
10/6/2016	6.55	
12/1/2016	6.59	
2/8/2017	6.63	
4/6/2017	6.58	
6/21/2017	6.56	
10/5/2017	6.58	
3/21/2018	6.76	
10/2/2018	6.65	
3/27/2019	6.7	
3/18/2020	6.61	
9/9/2020	6.8	
4/1/2021		6.28
8/12/2021		6.66



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
4/6/2016	0.799 (J)	
6/15/2016	<0.7	
8/10/2016	<0.7	
10/4/2016	<0.7	
11/30/2016	<0.7	
2/7/2017	0.8 (J)	
4/4/2017	<0.7	
6/20/2017	<0.7	
10/4/2017	<0.7	
3/20/2018	1.2	
10/2/2018	<0.7	
3/26/2019	2.1	
9/10/2019	0.65 (J)	
3/18/2020	3.1	
9/9/2020	1.6	
4/1/2021		2.7
8/11/2021		1.3

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/4/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	<1	
9/10/2019	<1	
3/18/2020	0.67 (J)	
9/9/2020	<1	
4/1/2021		<1
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.58 (J)	
9/10/2019	0.44 (J)	
3/18/2020	0.51 (J)	
9/9/2020	<1	
4/1/2021		<1
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
4/12/2016	0.617 (J)	
6/16/2016	<1	
8/11/2016	<1	
10/4/2016	<1	
11/30/2016	<1	
2/7/2017	0.92 (J)	
4/5/2017	1	
6/20/2017	0.76 (J)	
10/4/2017	<1	
3/20/2018	0.95 (J)	
10/2/2018	<1	
3/26/2019	0.53 (J)	
9/10/2019	0.69 (J)	
3/18/2020	0.84 (J)	
9/9/2020	0.77 (J)	
4/1/2021		<1
8/18/2021		0.79 (J)

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
4/13/2016	0.51 (JD)	
6/21/2016	0.58 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	1	
4/6/2017	0.81 (J)	
6/21/2017	1.1	
10/5/2017	1.1	
3/21/2018	1.1	
10/2/2018	1.2	
3/27/2019		1.6
9/11/2019		1.8
3/18/2020		2.4
9/9/2020		2.6
4/1/2021		2.7
8/17/2021		1.2

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
4/13/2016	<1 (D)	
6/21/2016	0.16 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/2/2018	<1	
3/27/2019	<1	
9/11/2019	0.63 (J)	
3/18/2020	<1	
9/10/2020	<1	
4/1/2021		<1
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
4/13/2016	<1 (D)	
6/21/2016	0.2 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/5/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/21/2018	<1 (D)	
10/2/2018	<1	
3/26/2019	0.49 (J)	
9/11/2019	0.5 (J)	
3/18/2020	1.3	
9/10/2020	<1	
4/1/2021		<1
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
4/13/2016	0.646 (JD)	
6/21/2016	0.57 (J)	
8/15/2016	<0.7	
10/7/2016	<0.7	
12/1/2016	<0.7	
2/9/2017	<0.7	
4/6/2017	<0.7	
6/22/2017	<0.7	
10/6/2017	<0.7	
3/22/2018	<0.7	
10/3/2018	<0.7	
3/26/2019	1.3	
9/11/2019	0.81 (J)	
3/18/2020	25 (o)	
9/10/2020	1.3	
4/6/2021		0.9 (J)
8/11/2021		0.89 (J)



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
4/13/2016	<1 (D)	
6/21/2016	0.16 (J)	
8/15/2016	<1	
10/4/2016	<1	
12/1/2016	<1	
2/7/2017	<1	
4/6/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.64 (J)	
9/11/2019	0.5 (J)	
3/18/2020	<1	
9/9/2020	<1	
4/1/2021		<1
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.39 (J)	
9/11/2019	0.61 (J)	
3/18/2020	0.62 (J)	
9/9/2020	<1	
4/1/2021		<1
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/5/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	<1	
9/12/2019	<1	
3/19/2020	0.64 (J)	
9/9/2020	1.2	
6/1/2021		1.9
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
4/12/2016	0.56 (J)	
6/16/2016	<1	
8/11/2016	<1	
10/4/2016	<1	
11/30/2016	<1	
2/7/2017	<1	
4/6/2017	<1	
6/20/2017	<1	
10/4/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.99 (J)	
9/10/2019	0.63 (J)	
3/18/2020	0.59 (J)	
9/9/2020	0.59 (J)	
4/1/2021		1.1
8/12/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
4/12/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/30/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019	0.45 (J)	
9/12/2019	<1	
3/19/2020	0.71 (J)	
9/10/2020	<1	
6/1/2021		1.4
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
4/12/2016	0.419 (JD)	
6/20/2016	0.6 (J)	
8/16/2016	<1	
10/5/2016	<1	
11/30/2016	1.1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019	0.47 (J)	
9/10/2019	0.7 (J)	
3/18/2020	0.6 (J)	
9/10/2020	<1	
4/6/2021		<1
8/12/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
4/12/2016	3.56	
6/20/2016	2.4	
8/16/2016	1.7	
10/6/2016	1.2	
11/30/2016	1.2	
2/8/2017	4.6	
4/6/2017	4.1	
6/22/2017	3.4	
10/6/2017	3	
3/21/2018	4.9	
10/3/2018	2.9	
3/26/2019	3.2	
9/10/2019	1.7	
3/19/2020	4.6	
9/10/2020	1.6	
4/2/2021		4.6
8/12/2021		3.5

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
4/19/2016	575 (o)	
6/22/2016	470	
8/16/2016	360	
10/6/2016	300	
12/1/2016	340	
2/9/2017	350	
4/6/2017	380	
6/21/2017	490	
10/5/2017	380	
3/22/2018	400	
10/3/2018	270	
3/27/2019	260	
9/11/2019	130	
3/18/2020	170	
9/9/2020	110	
4/1/2021		100
8/12/2021		140



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
4/12/2016	7.55	
6/20/2016	14	
8/16/2016	12	
10/6/2016	13	
11/30/2016	14	
2/9/2017	9.5	
4/6/2017	9.7	
6/21/2017	13	
10/6/2017	7.3	
3/21/2018	9.5	
10/3/2018	10	
3/26/2019	6.3	
9/11/2019	12	
3/18/2020	5.6	
9/10/2020	9.4	
6/2/2021		13
8/11/2021		11

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
4/13/2016	<1 (D)	
6/20/2016	0.36 (J)	
8/15/2016	<1	
10/6/2016	<1	
12/1/2016	<1	
2/9/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/6/2017	<1	
3/22/2018	<1	
10/4/2018	<1	
3/27/2019	0.51 (J)	
9/11/2019	0.52 (J)	
3/19/2020	0.54 (J)	
9/10/2020	<1	
4/1/2021		<1
8/11/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
4/19/2016	32.7	
10/10/2016	33	
12/1/2016	31	
2/9/2017	34	
4/7/2017	37	
6/21/2017	35	
8/15/2017	42	
9/1/2017	40	
3/22/2018	39	
10/4/2018	30	
3/27/2019	18	
9/11/2019	32	
3/18/2020	16	
9/9/2020	11	
6/1/2021		17
8/12/2021		27

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
4/13/2016	8.66 (D)	
6/22/2016	6.3	
8/15/2016	8	
10/6/2016	10	
12/1/2016	15	
2/8/2017	13	
4/6/2017	14	
6/21/2017	11	
10/5/2017	10	
3/21/2018	12	
10/2/2018	8.2	
3/27/2019	6.8	
9/11/2019	9.6	
3/18/2020	6.9	
9/9/2020	8.4	
4/1/2021		9.7
8/12/2021		9.7

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-15	GWA-15
4/6/2016	38	
6/15/2016	<10	
8/10/2016	56	
10/4/2016	48	
11/30/2016	46	
2/7/2017	18	
4/4/2017	32	
6/20/2017	38	
10/4/2017	42	
3/20/2018	20 (JX)	
10/2/2018	48	
3/26/2019	45	
9/10/2019	42	
3/18/2020	43	
9/9/2020	<10	
4/1/2021		55
8/11/2021		55

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-16	GWA-16
4/6/2016	84	
6/15/2016	139	
8/10/2016	80	
10/4/2016	62	
11/29/2016	110	
2/7/2017	70	
4/4/2017	120	
6/20/2017	76	
10/5/2017	110	
3/20/2018	110	
10/2/2018	110	
3/26/2019	100	
9/10/2019	75	
3/18/2020	93	
9/9/2020	66	
4/1/2021		100
8/11/2021		100

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17	GWA-17
4/6/2016	61	
6/15/2016	113	
8/10/2016	74	
10/5/2016	44	
11/29/2016	58	
2/7/2017	4 (J)	
4/4/2017	78	
6/20/2017	50	
10/5/2017	64	
3/20/2018	90	
10/2/2018	90	
3/26/2019	82	
9/10/2019	51	
3/18/2020	75	
9/9/2020	64	
4/1/2021		68
8/11/2021		94

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-1	GWC-1
4/12/2016	147	
6/16/2016	150	
8/11/2016	110	
10/4/2016	140	
11/30/2016	130	
2/7/2017	130	
4/5/2017	130	
6/20/2017	120	
10/4/2017	130	
3/20/2018	110	
10/2/2018	140	
3/26/2019	150	
9/10/2019	130	
3/18/2020	130	
9/9/2020	120	
4/1/2021		120
8/18/2021		150



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-10	GWC-10
4/13/2016	103 (D)	
6/21/2016	214 (O)	
8/15/2016	130	
10/5/2016	84	
12/1/2016	130	
2/8/2017	130	
4/6/2017	130	
6/21/2017	120	
10/5/2017	140	
3/21/2018	120	
10/2/2018	150	
3/27/2019	140	
9/11/2019	110	
3/18/2020	140	
9/9/2020	160	
4/1/2021		140
8/17/2021		160

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-11	GWC-11
4/13/2016	99 (D)	
6/21/2016	293	
8/15/2016	90	
10/5/2016	70	
12/1/2016	120	
2/8/2017	86	
4/6/2017	130	
6/20/2017	86	
10/5/2017	94	
3/21/2018	100	
10/2/2018	120	
3/27/2019	100	
9/11/2019	94	
3/18/2020	100	
9/10/2020	95	
4/1/2021		90
8/11/2021		120

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-12	GWC-12
4/13/2016	<5 (D)	
6/21/2016	110	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	16	
2/8/2017	12	
4/5/2017	18	
6/20/2017	<5	
10/5/2017	28	
3/21/2018	28 (JX)	
10/2/2018	38	
3/26/2019	29	
9/11/2019	14	
3/18/2020	26	
9/10/2020	13	
4/1/2021		17
8/11/2021		18

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-13	GWC-13
4/13/2016	60 (D)	
6/21/2016	195 (O)	
8/15/2016	42	
10/7/2016	24	
12/1/2016	68	
2/9/2017	56	
4/6/2017	68	
6/22/2017	56	
10/6/2017	90	
3/22/2018	76	
10/3/2018	22	
3/26/2019	59	
9/11/2019	33	
3/18/2020	100	
9/10/2020	60	
4/6/2021		55
8/11/2021		75

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-14	GWC-14
4/13/2016	56 (D)	
6/21/2016	68	
8/15/2016	46	
10/4/2016	60	
12/1/2016	70	
2/7/2017	40	
4/6/2017	74	
6/20/2017	34	
10/5/2017	98	
3/20/2018	42	
10/2/2018	40	
3/26/2019	60	
9/11/2019	26	
3/18/2020	57	
9/9/2020	54	
4/1/2021		43
8/11/2021		71

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-18	GWC-18
4/11/2016	89	
6/16/2016	88	
8/11/2016	52	
10/5/2016	76	
11/29/2016	72	
2/8/2017	74	
4/6/2017	84	
6/21/2017	88	
10/5/2017	110	
3/20/2018	92	
10/2/2018	100	
3/26/2019	94	
9/11/2019	77	
3/18/2020	92	
9/9/2020	77	
4/1/2021		62
8/11/2021		98

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-19	GWC-19
4/11/2016	99	
6/16/2016	102	
8/11/2016	38	
10/5/2016	26	
11/29/2016	82	
2/8/2017	78	
4/5/2017	100	
6/21/2017	100	
10/5/2017	100	
3/20/2018	100	
10/2/2018	130	
3/26/2019	100	
9/12/2019	70	
3/19/2020	110	
9/9/2020	120	
6/1/2021		130
8/11/2021		120

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-2	GWC-2
4/12/2016	93	
6/16/2016	130	
8/11/2016	92	
10/4/2016	120	
11/30/2016	130	
2/7/2017	36	
4/6/2017	150	
6/20/2017	92	
10/4/2017	120	
3/20/2018	120	
10/2/2018	140	
3/26/2019	130	
9/10/2019	140	
3/18/2020	140	
9/9/2020	110	
4/1/2021		120
8/12/2021		130



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-20	GWC-20
4/12/2016	104	
6/16/2016	111	
8/11/2016	70	
10/5/2016	92	
11/30/2016	92	
2/8/2017	98	
4/6/2017	92	
6/21/2017	100	
10/5/2017	130	
3/21/2018	100	
10/3/2018	130	
3/26/2019	110	
9/12/2019	84	
3/19/2020	120	
9/10/2020	110	
6/1/2021		120
8/11/2021		110

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-3
4/12/2016	92 (D)	
6/20/2016	78	
8/16/2016	76	
10/5/2016	64	
11/30/2016	82	
2/8/2017	92	
4/6/2017	88	
6/21/2017	88	
10/5/2017	86	
3/21/2018	98	
10/3/2018	60	
3/26/2019	86	
9/10/2019	66	
3/18/2020	72	
9/10/2020	59	
4/6/2021		81
8/12/2021		89

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-4	GWC-4
4/12/2016	80	
6/20/2016	111	
8/16/2016	100	
10/6/2016	110	
11/30/2016	110	
2/8/2017	120	
4/6/2017	130	
6/22/2017	110	
10/6/2017	120	
3/21/2018	160	
10/3/2018	120	
3/26/2019	130	
9/10/2019	93	
3/19/2020	130	
9/10/2020	130	
4/2/2021		150
8/12/2021		130

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-5	GWC-5
4/19/2016	1290	
6/22/2016	1060	
8/16/2016	880	
10/6/2016	820	
12/1/2016	900	
2/9/2017	940	
4/6/2017	1100	
6/21/2017	1200	
10/5/2017	950	
3/22/2018	1000	
10/3/2018	620	
3/27/2019	580	
9/11/2019	310	
3/18/2020	430	
9/9/2020	270	
4/1/2021		260
8/12/2021		370

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-6	GWC-6
4/12/2016	138	
6/20/2016	154	
8/16/2016	140	
10/6/2016	150	
11/30/2016	160	
2/9/2017	160	
4/6/2017	140	
6/21/2017	150	
10/6/2017	160	
3/21/2018	170	
10/3/2018	120	
3/26/2019	130	
9/11/2019	120	
3/18/2020	140	
9/10/2020	140	
6/2/2021		140
8/11/2021		160

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-7	GWC-7
4/13/2016	130 (D)	
6/20/2016	116	
8/15/2016	92	
10/6/2016	110	
12/1/2016	140	
2/9/2017	120	
4/7/2017	120	
6/22/2017	100	
10/6/2017	140	
3/22/2018	130	
10/4/2018	110	
3/27/2019	120	
9/11/2019	100	
3/19/2020	98	
9/10/2020	120	
4/1/2021		110
8/11/2021		130

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-8A	GWC-8A
4/19/2016	179	
10/10/2016	110 (O)	
12/1/2016	170	
2/9/2017	180	
4/7/2017	200	
6/21/2017	190	
8/15/2017	190	
9/1/2017	160	
3/22/2018	220	
10/17/2018	170	
3/27/2019	300	
9/11/2019	210	
3/18/2020	300	
9/9/2020	360	
6/1/2021		340
8/12/2021		240

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/2/2021 1:35 PM View: PL's Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-9	GWC-9
4/13/2016	135 (D)	
6/22/2016	199	
8/15/2016	120	
10/6/2016	140	
12/1/2016	160	
2/8/2017	130	
4/6/2017	140	
6/21/2017	150	
10/5/2017	170	
3/21/2018	160	
10/2/2018	34	
3/27/2019	140	
9/11/2019	130	
3/18/2020	130	
9/9/2020	150	
4/1/2021		120
8/12/2021		150



FIGURE F.

# Appendix I Interwell Prediction Limit (Intrawell Exceedances) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:12 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Nickel (mg/L)	GWC-2	0.00202	n/a	8/12/2021	0.0028	Yes	77	n/a	n/a	87.01	n/a	n/a	0.0003199 NP Inter (NDs) 1 of 2

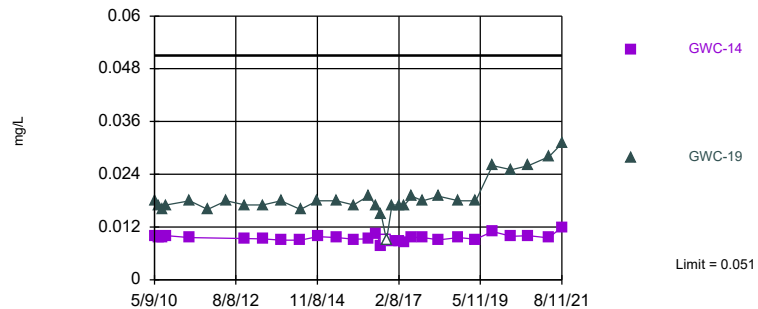
# Appendix I Interwell Prediction Limit (Intrawell Exceedances) - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 1:12 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Barium, Total (mg/L)	GWC-14	0.051	n/a	8/11/2021	0.012	No	93	n/a	n/a	2.151	n/a	n/a	0.0002216 NP Inter (normality) 1 of 2
Barium, Total (mg/L)	GWC-19	0.051	n/a	8/11/2021	0.031	No	93	n/a	n/a	2.151	n/a	n/a	0.0002216 NP Inter (normality) 1 of 2
Nickel (mg/L)	GWC-2	<b>0.00202</b>	n/a	<b>8/12/2021</b>	<b>0.0028</b>	<b>Yes</b>	<b>77</b>	n/a	n/a	<b>87.01</b>	n/a	n/a	<b>0.0003199 NP Inter (NDs) 1 of 2</b>

Within Limit

Prediction Limit  
 Interwell Non-parametric

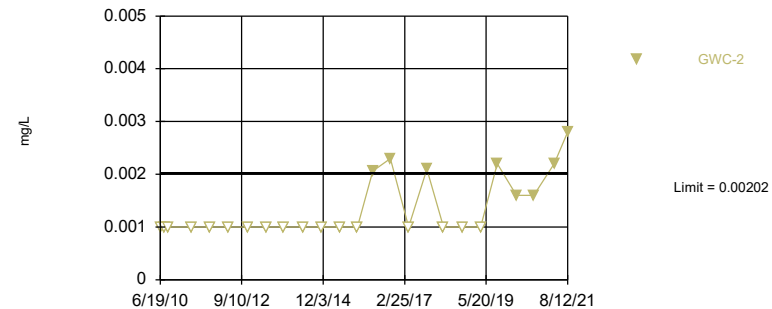


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 93 background values. 2.151% NDs. Annual per-constituent alpha = 0.007505. Individual comparison alpha = 0.0002216 (1 of 2). Comparing 2 points to limit. Assumes 15 future values.

Constituent: Barium, Total Analysis Run 12/2/2021 1:10 PM View: Trend Tests - PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Exceeds Limit: GWC-2

Prediction Limit  
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 77 background values. 87.01% NDs. Annual per-constituent alpha = 0.01082. Individual comparison alpha = 0.0003199 (1 of 2). Assumes 16 future values.

Constituent: Nickel Analysis Run 12/2/2021 1:10 PM View: Trend Tests - PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:12 PM View: Trend Tests - PL Exceedances App I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-14	GWA-16 (bg)	GWC-19
5/8/2010	0.048 (J)				
5/9/2010		0.01 (J)	0.01 (J)	0.031 (J)	
5/11/2010					0.018 (J)
6/16/2010	0.044 (J)			0.029 (J)	0.017 (J)
6/18/2010		0.01 (J)	0.0097 (J)		
7/26/2010	0.042 (J)				
7/27/2010				0.029 (J)	0.016 (J)
7/28/2010		0.011 (J)	0.0096 (J)		
9/7/2010	0.04 (J)			0.028 (J)	0.017 (J)
9/9/2010		0.011 (J)	0.01 (J)		
4/29/2011	0.038 (J)			0.026 (J)	0.018 (J)
4/30/2011		0.0091 (J)	0.0096 (J)		
10/28/2011	0.034	0.0096 (J)	0.0064 (O)	0.025	0.016
5/2/2012	0.03	0.012		0.025	0.018
5/3/2012			0.0054 (O)		
11/9/2012	0.039 (V)	0.012 (V)		0.028 (V)	0.017 (V)
11/10/2012			0.0094 (J)		
5/8/2013	0.034	0.01	0.0093 (J)	0.029	
5/9/2013					0.017
11/5/2013		0.0098 (J)	0.009 (J)		
11/6/2013	0.032			0.026	0.018 (V)
5/20/2014	0.03	0.0081 (J)	0.009 (J)	0.025	
5/22/2014					0.016
11/8/2014	0.031			0.026	0.018
11/12/2014		0.0098 (J)	0.0098 (J)		
5/22/2015	0.033	0.0088 (J)		0.026	
5/23/2015					0.018
5/24/2015			0.0096 (J)		
11/9/2015	0.034			0.024	
11/10/2015					0.017
11/11/2015		0.011	0.0092 (J)		
4/6/2016	0.0347	0.00959 (J)		0.026	
4/11/2016					0.0191
4/13/2016			0.00929 (JD)		
6/15/2016	0.029	0.0091 (J)		0.023	
6/16/2016					0.017
6/21/2016			0.0106		
8/10/2016	0.027	0.009		0.022	
8/11/2016					0.015
8/15/2016			0.0077		
10/4/2016		<0.018	<0.018	0.024	
10/5/2016	<0.018				<0.018
11/29/2016	0.024			0.023	0.017
11/30/2016		0.011			
12/1/2016			0.0089		
2/7/2017	0.029	0.0099	0.0089	0.024	
2/8/2017					0.017
4/4/2017	0.03	0.0092		0.022	
4/5/2017					0.017
4/6/2017			0.0085		
6/20/2017	0.036	0.0099	0.0097	0.025	
6/21/2017					0.019

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 12/2/2021 1:12 PM View: Trend Tests - PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17 (bg)	GWA-15 (bg)	GWC-14	GWA-16 (bg)	GWC-19
10/4/2017		0.0098			
10/5/2017	0.027		0.0096	0.023	0.018
3/20/2018	0.027	0.01	0.0091	0.023	0.019
10/2/2018	0.027	0.0099	0.0096	0.023	0.018
3/26/2019	0.031	0.0099	0.0092	0.024	0.018
9/10/2019	0.051	0.011		0.039	
9/11/2019			0.011		
9/12/2019					0.026
3/18/2020	0.031	0.01	0.0099 (J)	0.027	
3/19/2020					0.025
9/9/2020	0.033	0.01	0.01	0.024	0.026
4/1/2021	0.029	0.0092 (J)	0.0095 (J)	0.024	
4/5/2021					0.028
8/11/2021	0.029	0.01	0.012	0.023	0.031

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 12/2/2021 1:12 PM View: Trend Tests - PL Exceedances App I

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-2
5/8/2010	<0.001			
5/9/2010		<0.001	<0.001	
5/11/2010				0.0033 (O)
6/16/2010	<0.001		<0.001	
6/18/2010		<0.001		
6/19/2010				<0.001
7/26/2010	<0.001			
7/27/2010			<0.001	<0.001
7/28/2010		<0.001		
9/7/2010	<0.001		<0.001	
9/9/2010		<0.001		<0.001
4/28/2011				<0.001
4/29/2011	<0.001		<0.001	
4/30/2011		<0.001		
10/28/2011	<0.001	<0.001	<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	
5/3/2012				<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001	
5/9/2013				<0.001
11/5/2013		<0.001		<0.001
11/6/2013	<0.001		<0.001	
5/20/2014	<0.001	<0.001	<0.001	
5/22/2014				<0.001
11/8/2014	<0.001		<0.001	
11/12/2014		<0.001		
11/13/2014				<0.001
5/22/2015	<0.001	<0.001	<0.001	
5/24/2015				<0.001
11/9/2015	<0.001		<0.001	
11/11/2015		<0.001		<0.001
4/6/2016	<0.001	0.00202 (J)	<0.001	
4/12/2016				0.00206 (J)
10/4/2016		<0.001	<0.001	0.0023 (J)
10/5/2016	<0.001			
4/4/2017	<0.001	<0.001	<0.001	
4/6/2017				<0.001
10/4/2017		<0.001		0.0021 (J)
10/5/2017	<0.001		<0.001	
3/20/2018	<0.001	<0.001 (D)	0.04 (O)	<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001
9/10/2019	0.0012	0.00081 (J)	0.00037 (J)	0.0022
3/18/2020	<0.001	0.00043 (J)	<0.001	0.0016
9/9/2020	0.00048 (J)	0.00069 (J)	<0.001	0.0016
4/1/2021	0.0004 (J)	0.00049 (J)	<0.001	0.0022
8/11/2021	<0.001	0.00051 (J)	<0.001	
8/12/2021				0.0028

FIGURE G.



# Appendix III Interwell Prediction Limit - Intrawell Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Calcium (mg/L)	GWC-19	14	n/a	10/7/2021	17	Yes	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2

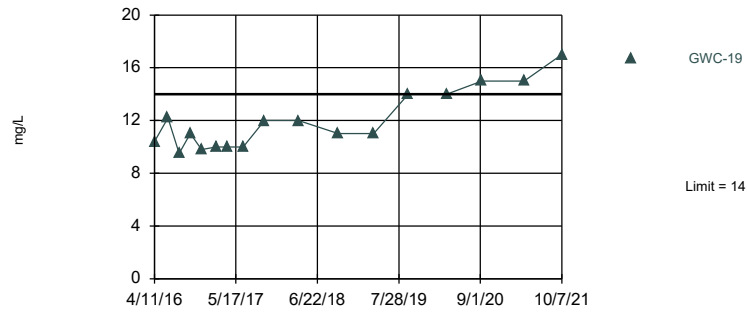
# Appendix III Interwell Prediction Limit - Intrawell Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Calcium (mg/L)	GWC-19	14	n/a	10/7/2021	17	Yes	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14	7.2	n/a	8/11/2021	3.7	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-18	7.2	n/a	8/11/2021	2.9	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	7.2	n/a	8/11/2021	2.8	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-7	7.2	n/a	8/11/2021	3	No	51	n/a	n/a	0	n/a	n/a	0.0006943 NP Inter (normality) 1 of 2

Exceeds Limit: GWC-19

Prediction Limit  
Interwell Non-parametric

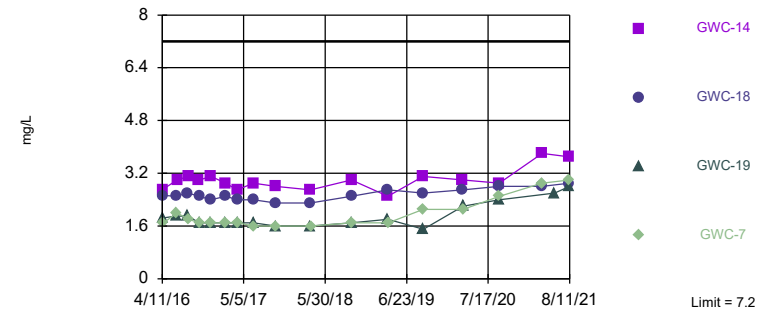


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. Annual per-constituent alpha = 0.02334. Individual comparison alpha = 0.0006943 (1 of 2). Assumes 16 future values.

Constituent: Calcium Analysis Run 12/2/2021 2:28 PM View: PL's Interwell App III - Intrawell PL Exceedan  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. Annual per-constituent alpha = 0.02334. Individual comparison alpha = 0.0006943 (1 of 2). Comparing 4 points to limit. Assumes 13 future values.

Constituent: Chloride Analysis Run 12/2/2021 2:28 PM View: PL's Interwell App III - Intrawell PL Exceeda  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/2/2021 2:30 PM View: PL's Interwell App III - IntraWell PL Exceedances

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-19
4/6/2016	3.62	6.58	12.1	
4/11/2016				10.4
6/15/2016	4.5	6.9	11.8	
6/16/2016				12.2
8/10/2016	3.8	5.5	10	
8/11/2016				9.5
10/4/2016	5.3		14	
10/5/2016		6.8		11
11/29/2016		4.8	10	9.8
11/30/2016	4.7			
2/7/2017	3.8	7.8	12	
2/8/2017				10
4/4/2017	3.8	6.4	11	
4/5/2017				10
6/20/2017	4.1	7	11	
6/21/2017				10 (D)
10/4/2017	4.6			
10/5/2017		6.6	13	12
3/20/2018	4.2 (D)	6.6	12	12
10/2/2018	4.2	5.8	11	11
3/26/2019	4	6.7	11	11
9/10/2019	4.8	7.5	12	
9/12/2019				14
3/18/2020	3.8	7.3	12	
3/19/2020				14
9/9/2020	4	7.3	11	15
4/1/2021	4	7.8	12	
4/5/2021				15
8/11/2021	4.1	7.3	11	
10/7/2021				17

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/2/2021 2:30 PM View: PL's Interwell App III - Intrawell PL Exceedances

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-19	GWC-18	GWC-7	GWC-14
4/6/2016	5.342	1.789	1.69				
4/11/2016				1.84	2.53		
4/13/2016						1.68 (D)	2.71 (D)
6/15/2016	5.2	2.1	1.9				
6/16/2016				1.9	2.5		
6/20/2016						2	
6/21/2016							3
8/10/2016	5.5	1.8	1.7				
8/11/2016				1.9	2.6		
8/15/2016						1.8	3.1
10/4/2016	5.4	1.7					3
10/5/2016			1.6	1.7	2.5		
10/6/2016						1.7	
11/29/2016		1.7	1.7	1.7	2.4		
11/30/2016	5.4						
12/1/2016						1.7	3.1
2/7/2017	5.1	1.6	1.6				2.9
2/8/2017				1.7	2.5		
2/9/2017						1.7	
4/4/2017	5.1	1.6	1.5				
4/5/2017				1.7			
4/6/2017					2.4		2.7
4/7/2017						1.7	
6/20/2017	5.2	1.6	1.5				2.9
6/21/2017				1.7	2.4		
6/22/2017						1.6	
10/4/2017	5.2						
10/5/2017		1.5	1.5	1.6	2.3		2.8
10/6/2017						1.6	
3/20/2018	5.6 (D)	1.5	1.4	1.6	2.3		2.7
3/22/2018						1.6	
10/2/2018	6.3	1.6	1.5	1.7	2.5		3
10/4/2018						1.7	
3/26/2019	5.5	1.5	1.3	1.8	2.7		2.5
3/27/2019						1.7	
9/10/2019	5.2	1.4	1.3				
9/11/2019					2.6	2.1	3.1
9/12/2019				1.5			
3/18/2020	5.4	1.7	2		2.7		3
3/19/2020				2.2		2.1	
9/9/2020	6.1	1.6	1.3	2.4	2.8		2.9
9/10/2020						2.5	
4/1/2021	7	1.8	1.5		2.8	2.9	3.8
6/1/2021				2.6			
8/11/2021	7.2	1.8	1.4	2.8	2.9	3	3.7

FIGURE H.

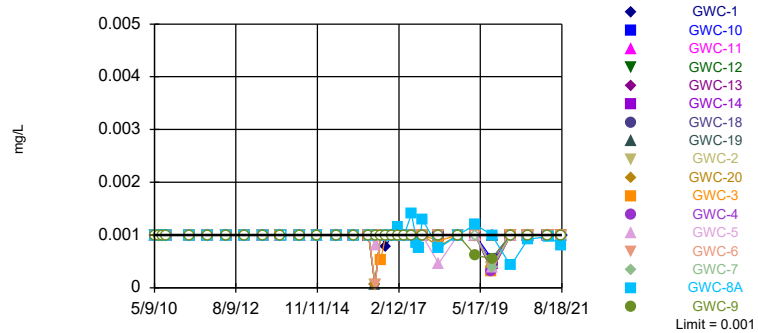
# Interwell Appendix I Prediction Limits - All Results (No Exceedances)

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 9/19/2021, 11:16 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBq	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-10	0.001	n/a	8/17/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-11	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-12	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-14	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-18	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-19	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-2	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-20	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-3	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-4	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-5	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-7	0.001	n/a	8/11/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-8A	0.001	n/a	8/12/2021	0.00081J	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-9	0.001	n/a	8/12/2021	0.001ND	No	93	n/a	n/a	n/a	96.77	n/a	n/a	0.0002216	NP (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	8/11/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	8/11/2021	0.001ND	No	78	n/a	n/a	n/a	100	n/a	n/a	0.0003113	NP (NDs) 1 of 2

Within Limit

Prediction Limit  
 Interwell Non-parametric

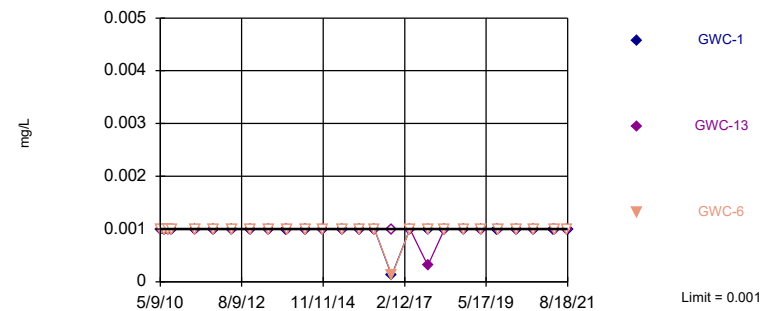


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 93 background values. 96.77% NDs. Annual per-constituent alpha = 0.007505. Individual comparison alpha = 0.0002216 (1 of 2). Comparing 17 points to limit.

Constituent: Arsenic, Total Analysis Run 9/19/2021 11:15 AM View: PL's Interwell App I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Within Limit

Prediction Limit  
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 78) were censored; limit is most recent reporting limit. Annual per-constituent alpha = 0.01053. Individual comparison alpha = 0.0003113 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: Silver Analysis Run 9/19/2021 11:15 AM View: PL's Interwell App I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR





# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-14	GWC-12	GWA-16 (bg)	GWC-13	GWC-8A	GWC-10	GWC-18
4/13/2016			<0.001 (D)	<0.001 (D)		<0.001 (D)		<0.001 (D)	
4/19/2016							<0.001		
6/15/2016	<0.001	<0.001			<0.001				
6/16/2016									<0.001
6/20/2016									
6/21/2016			<0.001	<0.001		<0.001		<0.001	
6/22/2016									
8/10/2016	<0.001	<0.001			<0.001				
8/11/2016									<0.001
8/12/2016									
8/15/2016			<0.001	<0.001		<0.001		<0.001	
8/16/2016									
10/4/2016		<0.001	<0.001		<0.001				
10/5/2016	<0.001			<0.001				<0.001	<0.001
10/6/2016									
10/7/2016						<0.001			
10/10/2016							<0.001		
11/29/2016	<0.001				<0.001				<0.001
11/30/2016		<0.001							
12/1/2016			<0.001	<0.001		<0.001	<0.001	<0.001	
2/7/2017	<0.001	<0.001	<0.001		<0.001				
2/8/2017				<0.001				<0.001	<0.001
2/9/2017						<0.001	0.00115 (D)		
4/4/2017	<0.001	<0.001			<0.001				
4/5/2017				<0.001					
4/6/2017			<0.001			<0.001		<0.001	<0.001
4/7/2017							<0.001		
6/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001				
6/21/2017							0.0014	<0.001	<0.001
6/22/2017						<0.001			
8/15/2017							0.00086		
9/1/2017							0.00075		
10/4/2017		<0.001							
10/5/2017	<0.001		<0.001	<0.001	<0.001			<0.001	<0.001
10/6/2017						<0.001			
10/9/2017							0.0013		
3/20/2018	<0.001	<0.001 (D)	<0.001		<0.001				<0.001
3/21/2018				<0.001 (D)				<0.001	
3/22/2018						<0.001	0.00075		
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001
10/3/2018						<0.001			
10/4/2018							<0.001		
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
3/27/2019							0.0012	<0.001	
9/10/2019	0.00069 (J)	0.00032 (J)			0.00049 (J)				
9/11/2019			0.00045 (J)	0.00038 (J)		0.00042 (J)	0.001 (J)	0.00055 (J)	0.00043 (J)
9/12/2019									
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00042 (J)	<0.001	<0.001
3/19/2020									
9/9/2020	<0.001	<0.001	<0.001		<0.001		0.00092 (J)	<0.001	<0.001
9/10/2020				<0.001		<0.001			
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-7	GWC-9	GWC-11	GWC-19	GWC-6	GWC-4	GWC-2	GWC-1	GWC-20
5/8/2010									
5/9/2010									
5/10/2010	<0.001	<0.001	<0.001						
5/11/2010				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010		<0.001	<0.001	<0.001					
6/17/2010						<0.001		<0.001	<0.001
6/18/2010	<0.001				<0.001				
6/19/2010							<0.001		
7/26/2010									
7/27/2010		<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
7/28/2010	<0.001					<0.001			
7/29/2010									
9/7/2010				<0.001					<0.001
9/8/2010		<0.001	<0.001			<0.001			
9/9/2010	<0.001				<0.001		<0.001	<0.001	
4/26/2011									
4/28/2011						<0.001	<0.001	<0.001	
4/29/2011		<0.001	<0.001	<0.001					<0.001
4/30/2011	<0.001				<0.001				
10/27/2011		<0.001	<0.001						
10/28/2011				<0.001			<0.001		<0.001
10/29/2011	<0.001				<0.001	<0.001		<0.001	
5/2/2012				<0.001					
5/3/2012		<0.001				<0.001	<0.001	<0.001	<0.001
5/4/2012	<0.001		<0.001		<0.001				
11/9/2012				<0.001			<0.001	<0.001	
11/10/2012	<0.001		<0.001		<0.001	<0.001			<0.001
11/11/2012		<0.001							
5/8/2013									
5/9/2013	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
5/10/2013						<0.001			
11/5/2013							<0.001	<0.001	
11/6/2013		<0.001	<0.001	<0.001		<0.001			<0.001
11/7/2013	<0.001				<0.001				
5/20/2014			<0.001						
5/21/2014	<0.001	<0.001			<0.001				
5/22/2014				<0.001		<0.001	<0.001		<0.001
5/23/2014								<0.001	
11/8/2014				<0.001					
11/9/2014					<0.001	<0.001			<0.001
11/12/2014	<0.001	<0.001	<0.001						
11/13/2014							<0.001	<0.001	
5/22/2015						<0.001			
5/23/2015		<0.001		<0.001				<0.001	
5/24/2015	<0.001		<0.001		<0.001		<0.001		<0.001
11/9/2015									
11/10/2015				<0.001					<0.001
11/11/2015	<0.001				<0.001	<0.001	<0.001	<0.001	
11/12/2015		<0.001	<0.001						
4/6/2016									
4/11/2016				<0.001					
4/12/2016					<0.001	<0.001	<0.001	<0.001	<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App I  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-7	GWC-9	GWC-11	GWC-19	GWC-6	GWC-4	GWC-2	GWC-1	GWC-20
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)						
4/19/2016									
6/15/2016									
6/16/2016				5.1E-05 (J)			5.5E-05 (J)	6E-05 (J)	5.4E-05 (J)
6/20/2016	<0.001				6.3E-05 (J)	<0.001			
6/21/2016			<0.001						
6/22/2016		<0.001							
8/10/2016									
8/11/2016				<0.001			<0.001	<0.001	<0.001
8/12/2016					<0.001	<0.001			
8/15/2016	<0.001	<0.001	<0.001						
8/16/2016									
10/4/2016							<0.001	0.00079	
10/5/2016			<0.001	<0.001					<0.001
10/6/2016	<0.001	<0.001			<0.001	<0.001			
10/7/2016									
10/10/2016									
11/29/2016				<0.001					
11/30/2016					<0.001	<0.001	<0.001	<0.001	<0.001
12/1/2016	<0.001	<0.001	<0.001						
2/7/2017							<0.001	<0.001	
2/8/2017		<0.001	<0.001	<0.001		<0.001			<0.001
2/9/2017	<0.001				<0.001				
4/4/2017									
4/5/2017				<0.001				<0.001	
4/6/2017		<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
4/7/2017	<0.001								
6/20/2017			<0.001				<0.001	<0.001	
6/21/2017		<0.001		<0.001	<0.001				<0.001
6/22/2017	<0.001					<0.001			
8/15/2017									
9/1/2017									
10/4/2017							<0.001	<0.001	
10/5/2017		<0.001	<0.001	<0.001					<0.001
10/6/2017	<0.001				<0.001	<0.001			
10/9/2017									
3/20/2018				<0.001			<0.001	<0.001	
3/21/2018		<0.001	<0.001		<0.001	<0.001			0.00078
3/22/2018	<0.001								
10/2/2018		<0.001	<0.001	<0.001			<0.001	<0.001	
10/3/2018					<0.001	<0.001			<0.001
10/4/2018	<0.001								
3/26/2019				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001	0.00062	<0.001						
9/10/2019						0.00032 (J)	0.00038 (J)	0.00033 (J)	
9/11/2019	0.00038 (J)	0.00055 (J)	0.00045 (J)		0.00041 (J)				
9/12/2019				<0.001					<0.001
3/18/2020		<0.001	<0.001		<0.001		<0.001	<0.001	
3/19/2020	<0.001			<0.001		<0.001			<0.001
9/9/2020		<0.001		<0.001			<0.001	<0.001	
9/10/2020	<0.001		<0.001		<0.001	<0.001			<0.001
4/1/2021	<0.001	<0.001	<0.001				<0.001	<0.001	



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-3	GWC-5
5/8/2010		
5/9/2010		
5/10/2010		
5/11/2010	<0.001	<0.001
6/16/2010		
6/17/2010	<0.001	
6/18/2010		<0.001
6/19/2010		
7/26/2010		
7/27/2010		<0.001
7/28/2010	<0.001	
7/29/2010		
9/7/2010	<0.001	
9/8/2010		
9/9/2010		<0.001
4/26/2011		
4/28/2011		
4/29/2011	<0.001	<0.001
4/30/2011		
10/27/2011		
10/28/2011	<0.001	<0.001
10/29/2011		
5/2/2012		
5/3/2012	<0.001	
5/4/2012		<0.001
11/9/2012	<0.001	
11/10/2012		<0.001
11/11/2012		
5/8/2013		
5/9/2013		<0.001
5/10/2013	<0.001	
11/5/2013		
11/6/2013	<0.001	<0.001
11/7/2013		
5/20/2014		
5/21/2014		
5/22/2014	<0.001	<0.001
5/23/2014		
11/8/2014		
11/9/2014	<0.001	<0.001
11/12/2014		
11/13/2014		
5/22/2015	<0.001	
5/23/2015		
5/24/2015		<0.001
11/9/2015		
11/10/2015	<0.001	
11/11/2015		<0.001
11/12/2015		
4/6/2016		
4/11/2016		
4/12/2016	<0.001 (D)	

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWC-3	GWC-5
4/13/2016		
4/19/2016		<0.001
6/15/2016		
6/16/2016		
6/20/2016	<0.001	
6/21/2016		
6/22/2016		0.0008
8/10/2016		
8/11/2016		
8/12/2016	0.00053 (J)	
8/15/2016		
8/16/2016		<0.001
10/4/2016		
10/5/2016	<0.001	
10/6/2016		<0.001
10/7/2016		
10/10/2016		
11/29/2016		
11/30/2016	<0.001	
12/1/2016		<0.001
2/7/2017		
2/8/2017	<0.001	
2/9/2017		<0.001
4/4/2017		
4/5/2017		
4/6/2017	<0.001	<0.001
4/7/2017		
6/20/2017		
6/21/2017	<0.001	<0.001
6/22/2017		
8/15/2017		
9/1/2017		
10/4/2017		
10/5/2017	<0.001	<0.001
10/6/2017		
10/9/2017		
3/20/2018		
3/21/2018	0.00089	
3/22/2018		0.00046 (J)
10/2/2018		
10/3/2018	<0.001	<0.001
10/4/2018		
3/26/2019	<0.001	
3/27/2019		<0.001
9/10/2019	0.00032 (J)	
9/11/2019		0.00038 (J)
9/12/2019		
3/18/2020	<0.001	<0.001
3/19/2020		
9/9/2020		<0.001
9/10/2020	<0.001	
4/1/2021		<0.001



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWC-3	GWC-5
4/2/2021		
4/5/2021		
4/6/2021	<0.001	
8/11/2021		
8/12/2021	<0.001	<0.001
8/17/2021		
8/18/2021		

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App 1

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-13	GWC-1	GWC-6
5/8/2010	<0.001					
5/9/2010		<0.001	<0.001	<0.001		
5/11/2010					<0.001	<0.001
6/16/2010	<0.001		<0.001			
6/17/2010					<0.001	
6/18/2010		<0.001		<0.001		<0.001
7/26/2010	<0.001					
7/27/2010			<0.001		<0.001	<0.001
7/28/2010		<0.001				
7/29/2010				<0.001		
9/7/2010	<0.001		<0.001			
9/9/2010		<0.001		<0.001	<0.001	<0.001
4/26/2011				<0.001		
4/28/2011					<0.001	
4/29/2011	<0.001		<0.001			
4/30/2011		<0.001				<0.001
10/28/2011	<0.001	<0.001	<0.001	<0.001		
10/29/2011					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001			
5/3/2012					<0.001	
5/4/2012				<0.001		<0.001
11/9/2012	<0.001	<0.001	<0.001		<0.001	
11/10/2012						<0.001
11/11/2012				<0.001		
5/8/2013	<0.001	<0.001	<0.001	<0.001		
5/9/2013					<0.001	<0.001
11/5/2013		<0.001			<0.001	
11/6/2013	<0.001		<0.001			
11/7/2013				<0.001		<0.001
5/20/2014	<0.001	<0.001	<0.001	<0.001		
5/21/2014						<0.001
5/23/2014					<0.001	
11/8/2014	<0.001		<0.001			
11/9/2014						<0.001
11/12/2014		<0.001		<0.001		
11/13/2014					<0.001	
5/22/2015	<0.001	<0.001	<0.001			
5/23/2015					<0.001	
5/24/2015				<0.001		<0.001
11/9/2015	<0.001		<0.001			
11/11/2015		<0.001			<0.001	<0.001
11/12/2015				<0.001		
4/6/2016	<0.001	<0.001	<0.001			
4/12/2016					<0.001	<0.001
4/13/2016				<0.001 (D)		
10/4/2016		<0.001	<0.001		0.00012 (J)	
10/5/2016	<0.001					
10/6/2016						0.00012 (J)
10/7/2016				<0.001		
4/4/2017	<0.001	<0.001	<0.001			
4/5/2017					<0.001	
4/6/2017				<0.001		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/19/2021 11:16 AM View: PL's Interwell App I  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

---

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-13	GWC-1	GWC-6
10/4/2017		<0.001			<0.001	
10/5/2017	<0.001		<0.001			
10/6/2017				0.00031		<0.001
3/20/2018	<0.001	<0.001 (D)	<0.001		<0.001	
3/21/2018						<0.001
3/22/2018				<0.001		
10/2/2018	<0.001	<0.001	<0.001		<0.001	
10/3/2018				<0.001		<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019	<0.001	<0.001	<0.001		<0.001	
9/11/2019				<0.001		<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001		<0.001	
9/10/2020				<0.001		<0.001
4/1/2021	<0.001	<0.001	<0.001		<0.001	
4/5/2021						<0.001
4/6/2021				<0.001		
8/11/2021	<0.001	<0.001	<0.001	<0.001		<0.001
8/18/2021					<0.001	

FIGURE I.

# Trend Tests - Appendix I & III - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 4:50 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004515	-198	-152	Yes	31	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.00104	-185	-152	Yes	31	3.226	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0003603	188	152	Yes	31	3.226	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-19	1.007	81	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-17 (bg)	-0.08897	-70	-63	Yes	17	0	n/a	n/a	0.01	NP

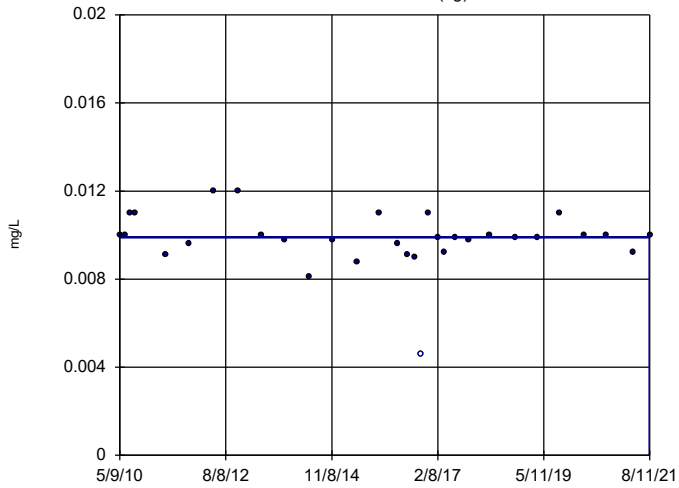
# Trend Tests - Appendix I & III - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR Printed 12/2/2021, 4:50 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-15 (bg)	0	-16	-152	No	31	3.226	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.0004515</b>	<b>-198</b>	<b>-152</b>	<b>Yes</b>	<b>31</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.00104</b>	<b>-185</b>	<b>-152</b>	<b>Yes</b>	<b>31</b>	<b>3.226</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWC-14	0	5	139	No	29	3.448	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-19</b>	<b>0.0003603</b>	<b>188</b>	<b>152</b>	<b>Yes</b>	<b>31</b>	<b>3.226</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	GWA-15 (bg)	0	3	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-16 (bg)	0	-6	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-17 (bg)	0.19	51	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-19</b>	<b>1.007</b>	<b>81</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWA-15 (bg)	0.1745	55	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16 (bg)	-0.04955	-33	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.08897</b>	<b>-70</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWC-14	0.0331	17	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18	0.06185	47	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-19	0.04506	21	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-7	0.1037	49	63	No	17	0	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-15 (bg)	0	-99	-118	No	26	76.92	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-16 (bg)	0	-16	-111	No	25	96	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-17 (bg)	0	-26	-118	No	26	88.46	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-2	0	50	111	No	25	68	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-15 (bg)	0	-10	-152	No	31	96.77	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-16 (bg)	0	-13	-152	No	31	90.32	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-17 (bg)	0	-1	-152	No	31	93.55	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWC-5	0	59	152	No	31	38.71	n/a	n/a	0.01	NP

### Sen's Slope Estimator

GWA-15 (bg)

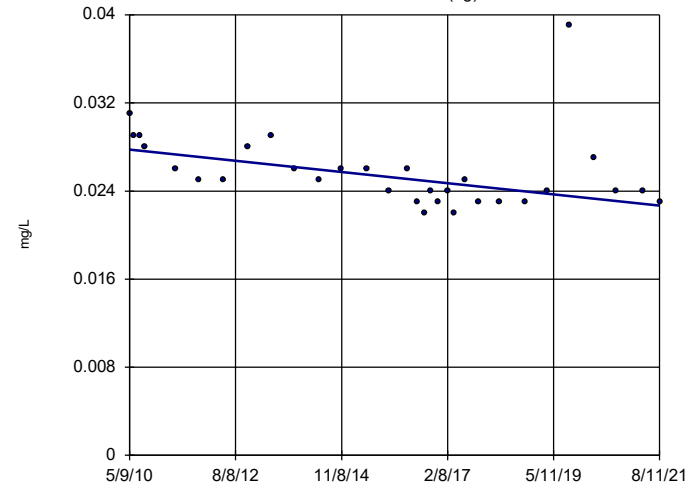


n = 31  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -16  
critical = -152  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium, Total Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

GWA-16 (bg)

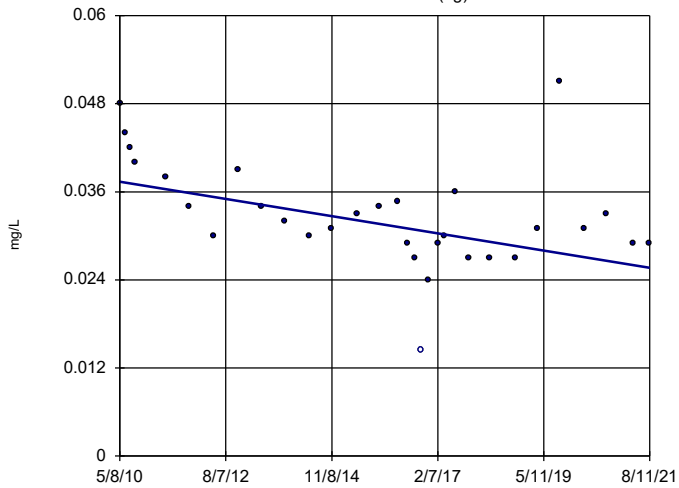


n = 31  
Slope = -0.0004515  
units per year.  
Mann-Kendall  
statistic = -198  
critical = -152  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium, Total Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

GWA-17 (bg)

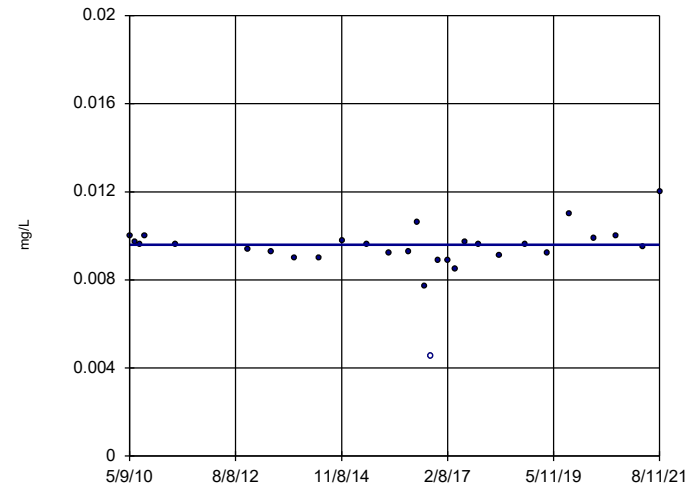


n = 31  
Slope = -0.00104  
units per year.  
Mann-Kendall  
statistic = -185  
critical = -152  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium, Total Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

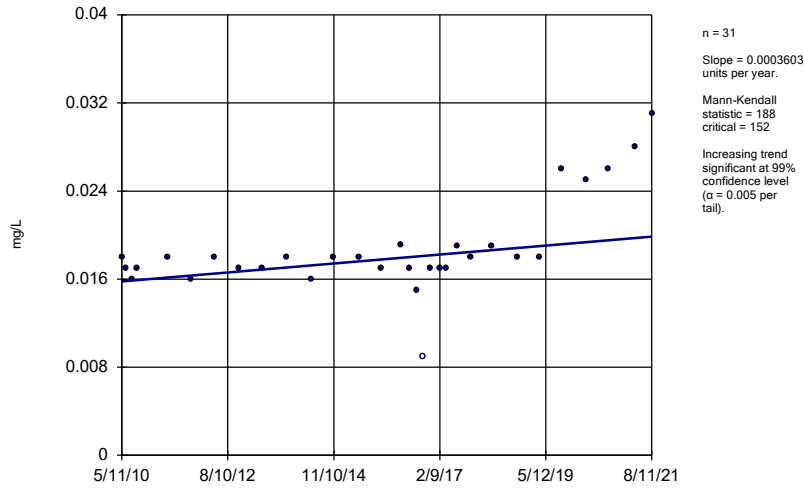
GWC-14



n = 29  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 5  
critical = 139  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

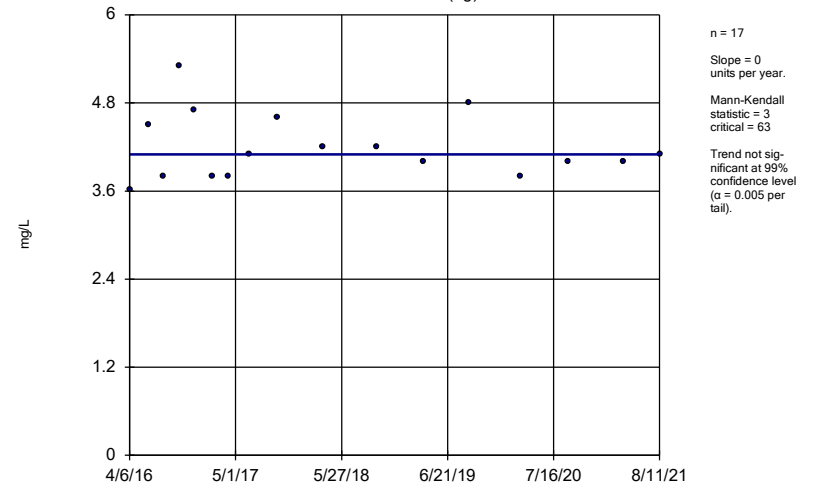
Constituent: Barium, Total Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sen's Slope Estimator  
 GWC-19



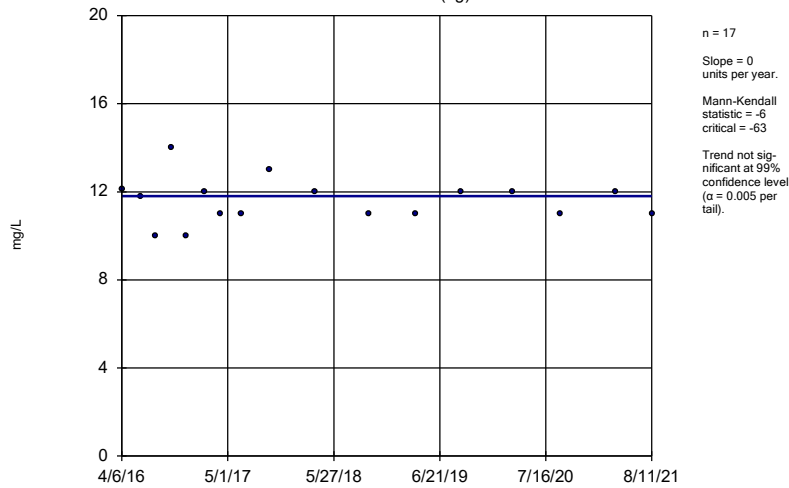
Constituent: Barium, Total Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sen's Slope Estimator  
 GWA-15 (bg)



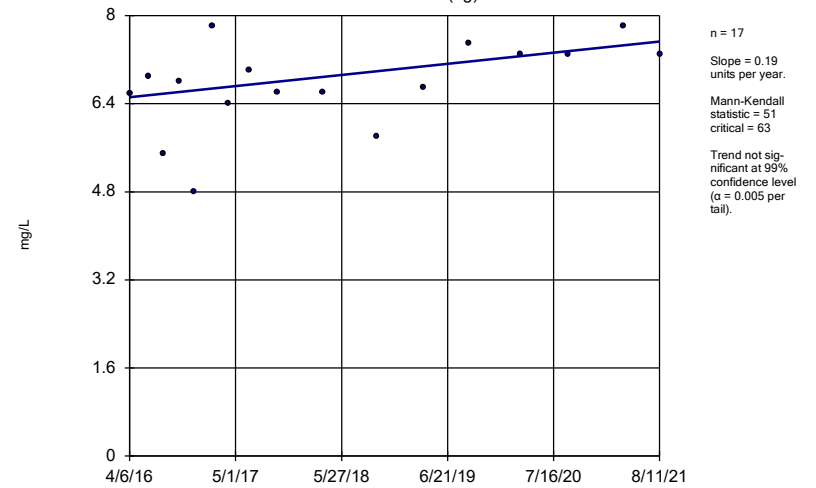
Constituent: Calcium Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sen's Slope Estimator  
 GWA-16 (bg)



Constituent: Calcium Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

Sen's Slope Estimator  
 GWA-17 (bg)

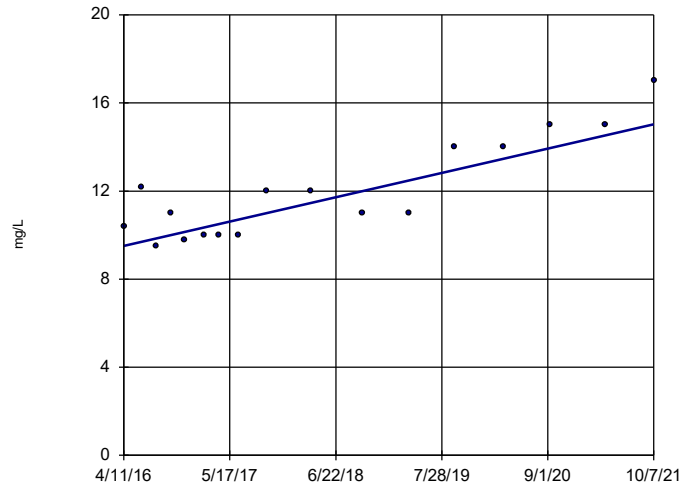


Constituent: Calcium Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR



### Sen's Slope Estimator

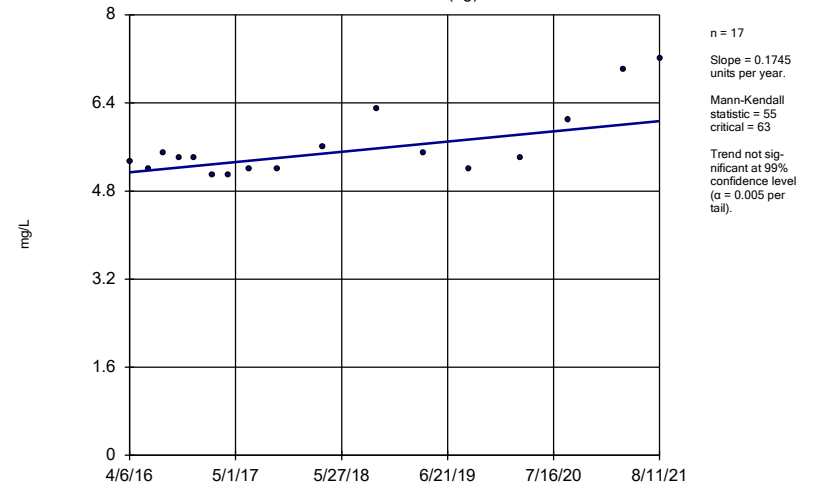
GWC-19



Constituent: Calcium Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

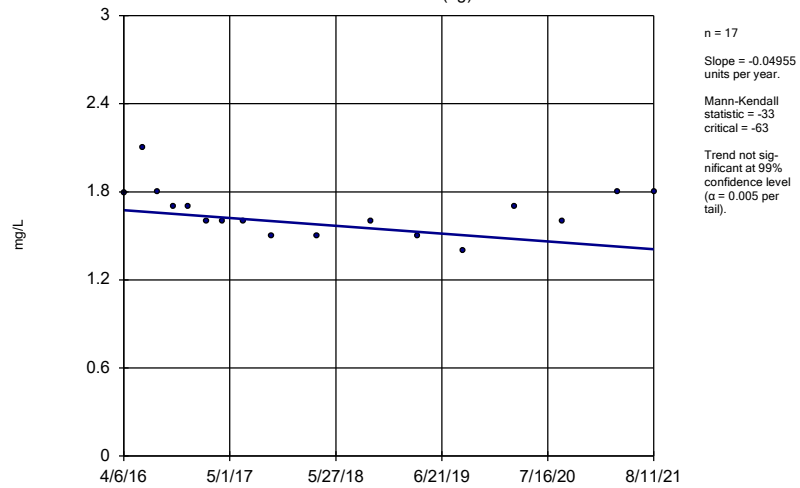
GWA-15 (bg)



Constituent: Chloride Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

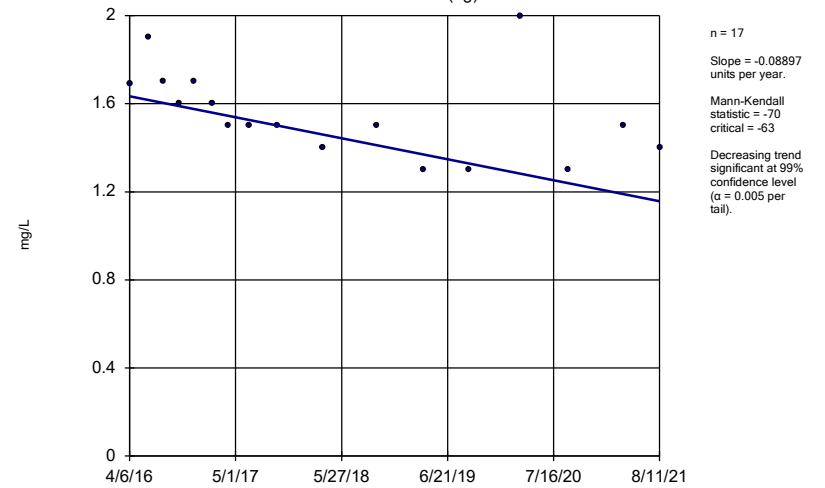
GWA-16 (bg)



Constituent: Chloride Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

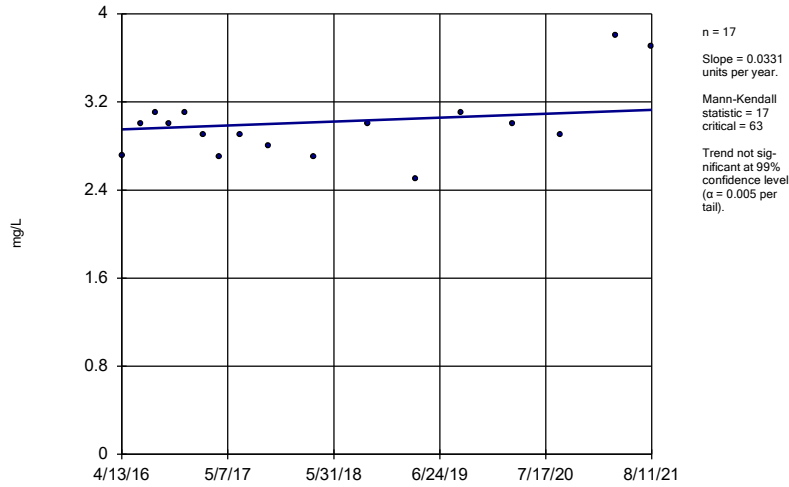
GWA-17 (bg)



Constituent: Chloride Analysis Run 12/2/2021 4:48 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

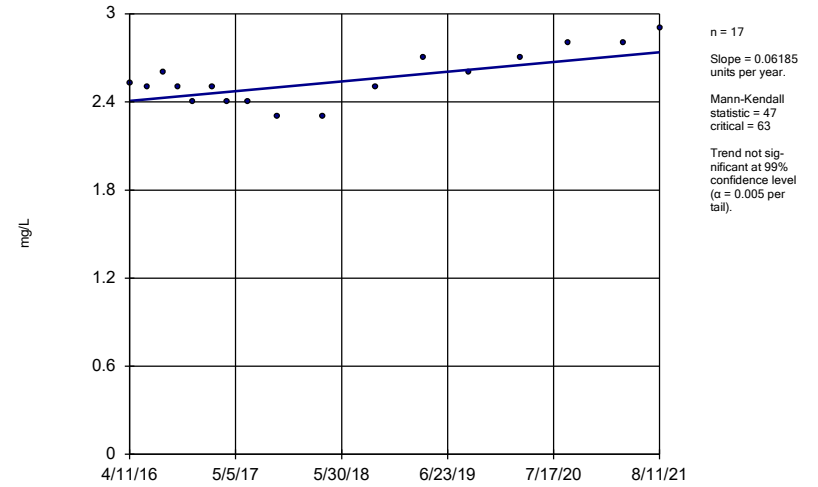
GWC-14



Constituent: Chloride Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

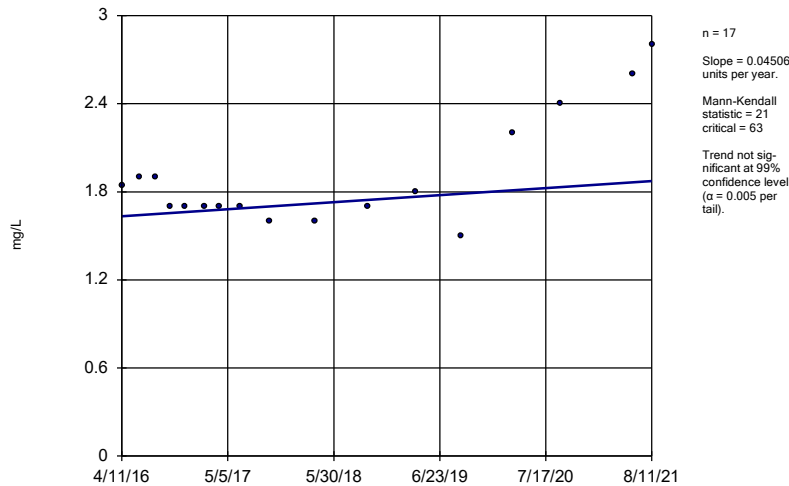
GWC-18



Constituent: Chloride Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

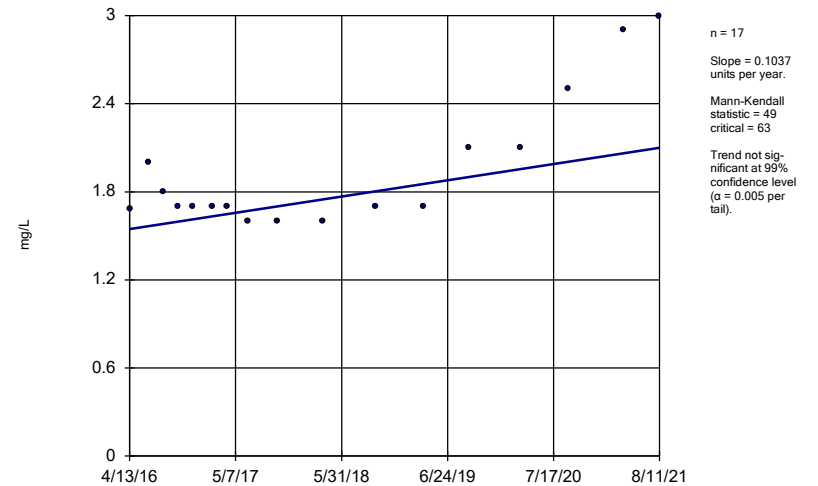
GWC-19



Constituent: Chloride Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

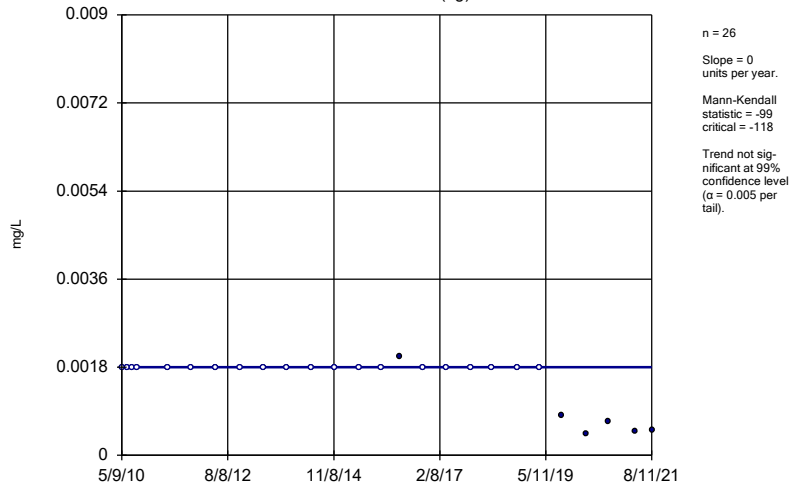
### Sen's Slope Estimator

GWC-7



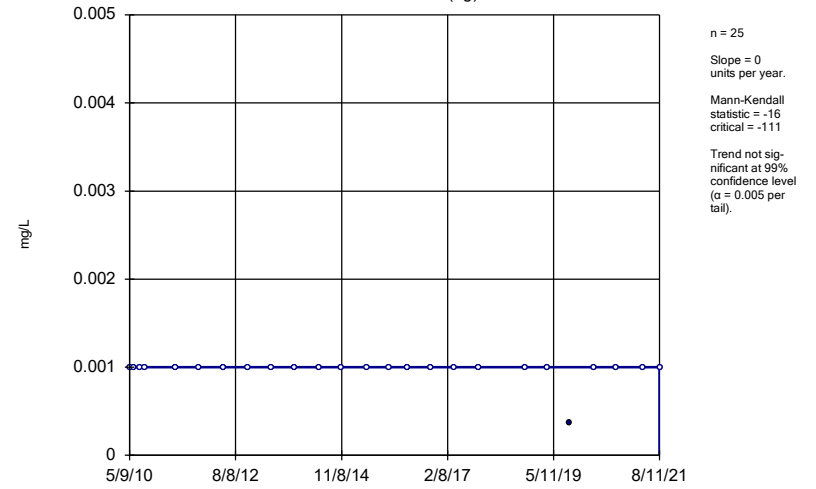
Constituent: Chloride Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator GWA-15 (bg)



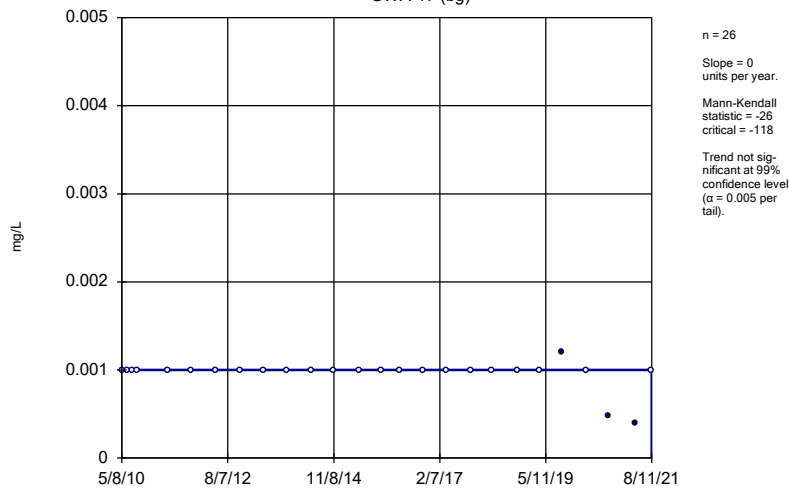
Constituent: Nickel Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator GWA-16 (bg)



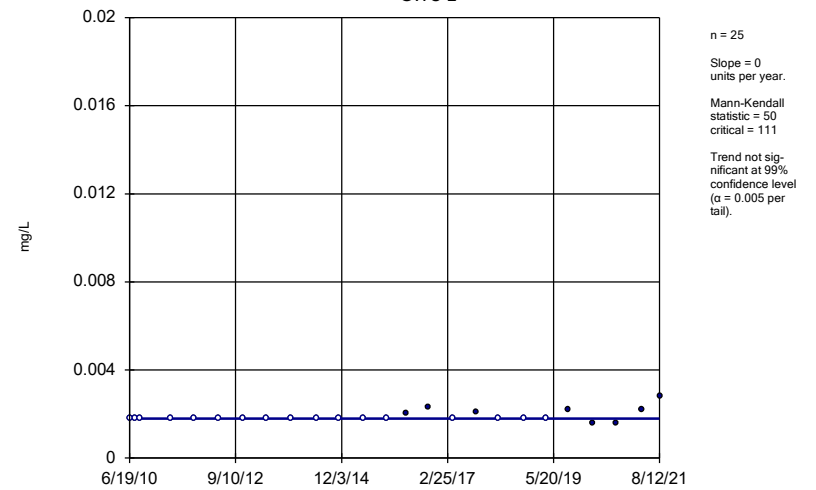
Constituent: Nickel Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator GWA-17 (bg)



Constituent: Nickel Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

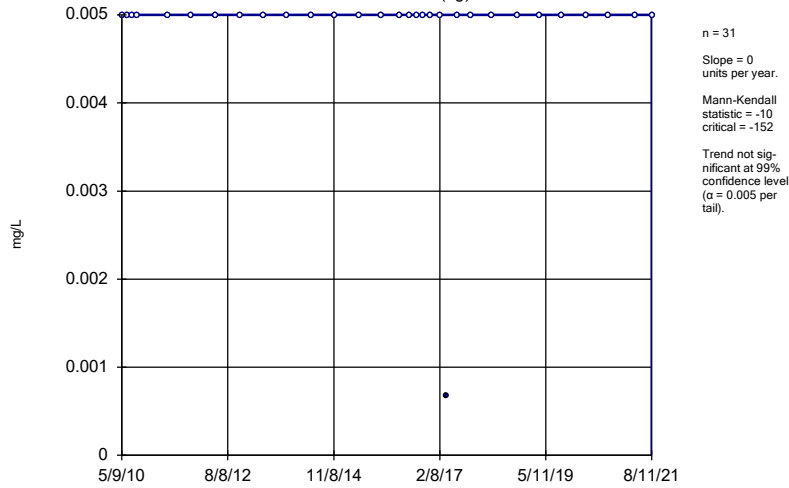
### Sen's Slope Estimator GWC-2



Constituent: Nickel Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

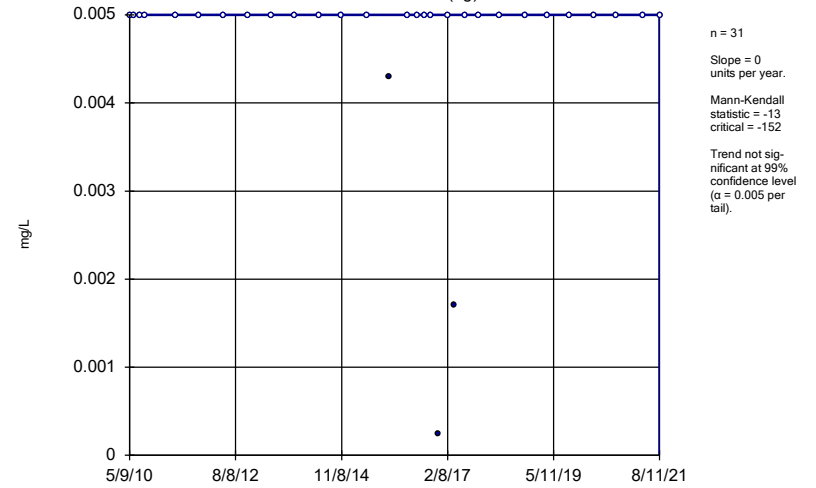
GWA-15 (bg)



Constituent: Selenium, Total Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

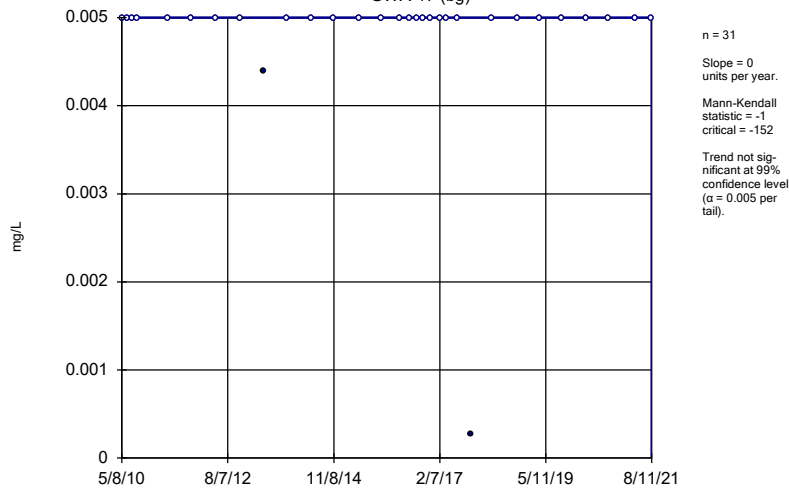
GWA-16 (bg)



Constituent: Selenium, Total Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

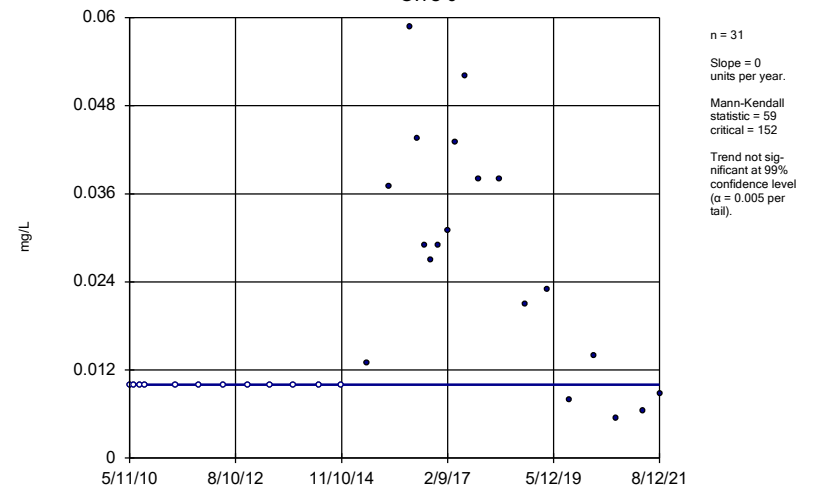
GWA-17 (bg)



Constituent: Selenium, Total Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

### Sen's Slope Estimator

GWC-5



Constituent: Selenium, Total Analysis Run 12/2/2021 4:49 PM View: Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1-CCR

## GROUNDWATER STATS CONSULTING



January 31, 2022

Southern Company Services  
Attn: Mr. Joju Abraham  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308-3374

Re: Plant Scherer PAC Landfill  
Statistical Analysis – August 2021

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the August 2021 2nd Semi-Annual sample event for Georgia Power Company's Plant Scherer PAC Landfill. The analysis complies with 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 began for the CCR program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2010. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and all available data are screened in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, and GWA-49
- **Downgradient wells:** GWC-29, GWC-50, GWC-51, GWC-52, and GWC-53

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, 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 Georgia EPD 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.

In earlier analyses, 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 during the background update in June 2021 and

demonstrated 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 that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves are based on the following:

### **Georgia EPD Appendix I Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 14 (antimony and silver and were 100% non-detects in all downgradient wells)
- # Downgradient wells: 5

### **CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 5

Statistical analyses are not required when 100% non-detects are present in downgradient wells for a given constituent. Historically, reported observations for antimony and silver at all wells have been below the reporting limits; therefore, these constituents are not included in the statistical analyses. A summary of all other well/constituent pairs with 100% non-detects follows this letter.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below

(US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects 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 intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is



similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resamples confirm the initial exceedance, 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). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

### **Summary of Background Screening – CCR Appendix III – Conducted in 2017**

The original background screening for Appendix III constituents was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Intrawell prediction limits, combined with a 1-of-2 resample plan, were recommended. The Analysis of Variance (ANOVA) was

used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach.

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. Based on the results of the original background screening, intrawell tests were recommended for all Appendix III parameters.

## **Summary of Background Screening Georgia EPD Appendix I - Conducted in August 2019**

### Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of Tukey's outlier test as well as a discussion of potential outliers and flagged values were included with the background screening report. A summary of flagged values follows this letter (Figure C).

### Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

### Trends

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed several statistically significant increasing and decreasing trends; however, the majority of these were relatively low in magnitude when compared to average concentrations and, therefore, required no adjustments. It was noted that several of the upgradient wells had higher reported measurements in the earliest part of the records for some of the metals. These values were not deselected at this time since the measurements serve as reference data upgradient of the facility. If similar measurements are observed at a later time in one or more downgradient wells, the earlier upgradient data would indicate that the change is naturally occurring rather than a result of practices at the facility. Lastly, while there was an overall increasing trend in concentrations for cobalt at well GWC-53, data are highly variable and similar to concentrations that have historically been reported in at least one upgradient well. Therefore, no adjustment was made to this record. Since the August 2019 screening, the trend in cobalt at well GWC-53 has been decreasing.

#### Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach.

Generally, constituents without significant differences, based on ANOVA across upgradient wells, may be considered for interwell analysis. However, the Scherer PAC Landfill is lined, and pre-waste data are available that show metals were present naturally in low level detections during the collection of background data. Furthermore, for some constituents, the reported concentrations are higher in upgradient wells than in downgradient wells. This would result in interwell limits that would not readily detect changes in the downgradient wells with lower concentrations. Therefore, intrawell prediction limits are recommended as the most appropriate statistical analysis for all of the Georgia EPD constituents at this landfill.

## **Summary of Background Update – Georgia EPD Appendix I and CCR Appendix III – June 2021**

### Outlier Analysis

Prior to updating background data, visual screening was used to evaluate data for suspected outliers in upgradient and downgradient wells through September 2020 (Figure C). All of the more recent compliance measurements appeared stable compared to the previously screened historical data sets; therefore, no new outliers were flagged except for a resulting high value for lead in well GWC-52 in order to maintain conservative (i.e. lower) statistical limits. A summary of all flagged outliers follows this letter. Outliers are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

### Mann-Whitney Comparison of Medians

For constituents requiring intrawell prediction limits (all Georgia EPD Appendix I and CCR Appendix III constituents in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2018 to the new compliance samples at each well through September 2020 (Figures D and E, respectively). When no variation is present between historical data and compliance samples, the Mann-Whitney test is not performed. A list of well/constituent pairs with no variation was included in the background update report. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. The results of the Mann-Whitney test and discussion regarding updating background records were included with the background update report. A summary of well/constituent pairs using a truncated portion of their record to establish intrawell prediction limits follows this letter. All records for Appendix I and Appendix III constituents using intrawell methods will be re-evaluated during the next background update.

## **Statistical Analysis of Georgia EPD Appendix I Constituents – August 2021**

Intrawell limits were constructed for all Georgia EPD Appendix I constituents. In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent, the current assumption is that the higher downgradient concentrations are due to natural spatial variation rather than a result of practices at the landfill. The pre-waste data support this logic.

## Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through September 2020 within each well for constituents with detections (Figure D). The August 2021 compliance samples were compared to these intrawell background limits. As previously discussed, no statistical analyses were included for antimony and silver since they contain 100% non-detects in downgradient wells, or for other individual well/constituent pairs with 100% non-detects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary table of the background intrawell prediction limits and exceedances follows this letter, along with the complete graphical results. Statistical exceedances were noted for the following well/constituent pairs:

- Barium: GWA-45, GWA-46, GWA-49 (all upgradient) and GWC-29, GWC-50, GWC-51, and GWC-52
- Chromium: GWA-49 (upgradient), GWC-50, GWC-51, and GWC-52
- Copper: GWA-49 (upgradient), GWC-50, and GWC-51
- Nickel: GWA-49 (upgradient), GWC-50, and GWC-51
- Vanadium: GWA-21 (upgradient) and GWC-50

## Two-Step Analysis

Following the two-step analysis procedure, interwell prediction limits were then constructed using pooled upgradient well data through August 2021 to evaluate the initial intrawell prediction limit exceedances listed above in downgradient wells (Figure E). Due to an increasing trend in the most recent data for barium at upgradient well GWA-45, observations since September 2019 in this well were not included in the interwell limit. The observations were flagged with an "L" flag and are included in the Outlier Summary which shows data that have been deselected (Figure C). The cause of this trend is pending and requires further analysis beyond the scope of this analysis. If research shows the more recent concentrations reflect natural variation, the earlier portion of the record may require deselection so that resulting limits are reflective of present-day water quality conditions. The reported measurements of barium, chromium, copper, nickel, and

vanadium at downgradient wells were within their respective interwell prediction limits. Therefore, no statistically significant increases (SSIs) are identified for the Appendix I constituents, and no further action is necessary.

### Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are significantly increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this letter. Statistically significant trends were noted for the following well/constituent pairs:

#### Increasing:

- Barium: GWA-45 (upgradient), GWA-46 (upgradient), GWC-29, and GWC-52
- Chromium: GWA-22 (upgradient) and GWC-52
- Vanadium: GWA-48 (upgradient)

#### Decreasing:

- Barium: GWA-22 (upgradient)
- Chromium: GWA-21 (upgradient)
- Copper: GWA-47 (upgradient)
- Nickel: GWA-48 (upgradient)

### **Statistical Analysis of Appendix III Parameters – August 2021**

Intrawell prediction limits for all Appendix III parameters, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2020. The August 2021 compliance data were compared to those limits.

### Prediction Limits

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. If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the Appendix III prediction limits follow this letter, along with complete graphical results (Figure G). The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWC-52
- Chloride: GWA-45, GWA-46, GWA-47 (all upgradient), and GWC-51
- Fluoride: GWA-46 (upgradient)
- pH (lower limit): GWA-45 (upgradient)
- pH (upper limit): GWC-29
- Sulfate: GWC-52

### Two-Step Analysis

Following the two-step analysis procedure as mentioned above, interwell prediction limits were then constructed using pooled upgradient well data through August 2021 to evaluate the apparent initial intrawell prediction limit exceedances listed above at downgradient wells (Figure H). All compliance data at downgradient wells were within their respective interwell prediction limits. Therefore, no statistically significant increases (SSIs) are identified, and no further action is necessary. It was noted that upgradient well GWA-45, which is included in the interwell background and represents naturally occurring groundwater quality upgradient of the site, has higher concentrations than neighboring upgradient wells for several of the Appendix III constituents. Therefore, the interwell comparisons for downgradient wells with reported lower concentration levels need to be interpreted cautiously and are further evaluated through trend analysis as described below. For chloride and sulfate in particular, however, it was noted that the concentrations at GWA-45 are similar to those observed at downgradient well GWC-52.

### Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure I). 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. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter. The following statistically significant increasing trends were identified:

Increasing:

- Calcium: GWC-52
- Chloride: GWA-21, GWA-46 (both upgradient) and GWC-51
- pH: GWC-29
- Sulfate: GWA-45 (upgradient) and GWC-52

## **Summary**

Based on the results of the two-step approach, apparent intrawell prediction limit exceedances were not confirmed using the interwell prediction limits. Therefore, no statistically significant increases were identified for the August 2021 sample event.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer PAC Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Kristina L. Rayner  
Groundwater Statistician



Andrew T. Collins  
Project Manager



# 100% Non-Detects

Analysis Run 9/19/2021 4:48 PM View: 100% Nondetects  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

Arsenic, Total (mg/L)

GWC-51, GWC-52

Beryllium, Total (mg/L)

GWC-29, GWC-50, GWC-52, GWC-53

Boron (mg/L)

GWC-50, GWC-51, GWC-52

Cadmium, Total (mg/L)

GWC-29, GWC-51, GWC-52, GWC-53

Cobalt, Total (mg/L)

GWC-52

Copper, Total (mg/L)

GWC-29, GWC-52, GWC-53

Mercury, Total (mg/L)

GWC-51, GWC-53

Nickel, Total (mg/L)

GWC-52

Selenium, Total (mg/L)

GWC-51

Thallium, Total (mg/L)

GWC-29, GWC-52, GWC-53

# Date Ranges

Date: 9/21/2021 9:52 AM

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

Barium, Total (mg/L)

GWA-45 background:12/20/2010-10/3/2018

Chromium, Total (mg/L)

GWC-52 background:12/21/2010-10/4/2018

Sulfate (mg/L)

GWC-52 background:4/11/2016-10/4/2018

# Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWA-45	0.05701	8/12/2021	0.091	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWA-46	0.02282	8/12/2021	0.023	Yes	27	0.01947	0.001543	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWA-49	0.02233	8/12/2021	0.024	Yes	28	0.01933	0.001391	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-29	0.01961	8/13/2021	0.021	Yes	28	0.01603	0.001661	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-50	0.014	8/13/2021	0.029	Yes	28	0.0001382	0.00002671	0	None	x^2	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-51	0.01222	8/13/2021	0.019	Yes	28	0.00009473	0.00002527	3.571	None	x^2	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	8/17/2021	0.02	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009199	8/12/2021	0.0096	Yes	28	0.07829	0.008154	3.571	None	sqrt(x)	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWC-50	0.006348	8/13/2021	0.0089	Yes	28	0.004525	0.0008434	7.143	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005825	8/13/2021	0.0087	Yes	28	0.003553	0.001051	10.71	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	8/17/2021	0.034	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param 1 of 2
Copper, Total (mg/L)	GWA-49	0.002	8/12/2021	0.0031	Yes	23	n/a	n/a	100	n/a	n/a	0.003415	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWC-50	0.002	8/13/2021	0.0046	Yes	22	n/a	n/a	100	n/a	n/a	0.003707	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWC-51	0.002	8/13/2021	0.0025	Yes	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	8/12/2021	0.0019	Yes	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	8/13/2021	0.0036	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	8/13/2021	0.0034	Yes	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0031	8/12/2021	0.004	Yes	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.004715	8/13/2021	0.0093	Yes	23	0.003096	0.0007265	39.13	Kaplan-Meier	No	0.0007523	Param 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWA-45	0.0015	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-48	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	8/13/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	8/13/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	8/13/2021	0.001ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02935	8/12/2021	0.023	No	27	0.0227	0.00306	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWA-22	0.02993	8/12/2021	0.024	No	28	0.02437	0.00257	0	None	No	0.0007523	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.05701</b>	<b>8/12/2021</b>	<b>0.091</b>	<b>Yes</b>	<b>24</b>	<b>0.03215</b>	<b>0.01125</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-46</b>	<b>0.02282</b>	<b>8/12/2021</b>	<b>0.023</b>	<b>Yes</b>	<b>27</b>	<b>0.01947</b>	<b>0.001543</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Barium, Total (mg/L)	GWA-47	0.045	8/13/2021	0.026	No	27	n/a	n/a	0	n/a	n/a	0.002502	NP (normality) 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	8/12/2021	0.013	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP (normality) 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.02233</b>	<b>8/12/2021</b>	<b>0.024</b>	<b>Yes</b>	<b>28</b>	<b>0.01933</b>	<b>0.001391</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.01961</b>	<b>8/13/2021</b>	<b>0.021</b>	<b>Yes</b>	<b>28</b>	<b>0.01603</b>	<b>0.001661</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.014</b>	<b>8/13/2021</b>	<b>0.029</b>	<b>Yes</b>	<b>28</b>	<b>0.0001382</b>	<b>0.00002671</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.01222</b>	<b>8/13/2021</b>	<b>0.019</b>	<b>Yes</b>	<b>28</b>	<b>0.00009473</b>	<b>0.00002527</b>	<b>3.571</b>	<b>None</b>	<b>x^2</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01758</b>	<b>8/17/2021</b>	<b>0.02</b>	<b>Yes</b>	<b>28</b>	<b>0.01176</b>	<b>0.00269</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Barium, Total (mg/L)	GWC-53	0.11	8/13/2021	0.038	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP (normality) 1 of 2
Beryllium, Total (mg/L)	GWA-22	0.0025	8/12/2021	0.0025ND	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	8/13/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	8/13/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	8/13/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.008995	8/12/2021	0.0016J	No	28	0.05889	0.01663	14.29	None	sqrt(x)	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01164	8/12/2021	0.008	No	28	0.006711	0.002282	7.143	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWA-46	0.0088	8/12/2021	0.0045	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	8/13/2021	0.0082	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	8/12/2021	0.0058	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP (normality) 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.009199</b>	<b>8/12/2021</b>	<b>0.0096</b>	<b>Yes</b>	<b>28</b>	<b>0.07829</b>	<b>0.008154</b>	<b>3.571</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	Param 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	8/13/2021	0.001ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP (normality) 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.006348</b>	<b>8/13/2021</b>	<b>0.0089</b>	<b>Yes</b>	<b>28</b>	<b>0.004525</b>	<b>0.0008434</b>	<b>7.143</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.005825</b>	<b>8/13/2021</b>	<b>0.0087</b>	<b>Yes</b>	<b>28</b>	<b>0.003553</b>	<b>0.001051</b>	<b>10.71</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01533</b>	<b>8/17/2021</b>	<b>0.034</b>	<b>Yes</b>	<b>24</b>	<b>0.00975</b>	<b>0.002526</b>	<b>4.167</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Chromium, Total (mg/L)	GWC-53	0.0041	8/13/2021	0.0019J	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	8/12/2021	0.00028J	No	28	n/a	n/a	64.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	8/12/2021	0.00015J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01078	8/12/2021	0.0024J	No	28	0.1408	0.03707	25	Kaplan-Meier	x^(1/3)	0.0007523	Param 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0025	8/12/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	8/13/2021	0.0025ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.0025	8/12/2021	0.0025ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	8/12/2021	0.00072J	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-29	0.0025	8/13/2021	0.00015J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-50	0.0025	8/13/2021	0.00074J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	8/13/2021	0.00059J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01667	8/13/2021	0.015	No	28	0.008496	0.003782	7.143	None	No	0.0007523	Param 1 of 2
Copper, Total (mg/L)	GWA-21	0.0023	8/12/2021	0.00066J	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWA-22	0.003	8/12/2021	0.002ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWA-45	0.0034	8/12/2021	0.002ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWA-47	0.022	8/13/2021	0.002ND	No	22	n/a	n/a	36.36	n/a	n/a	0.003707	NP (normality) 1 of 2
Copper, Total (mg/L)	GWA-48	0.0084	8/12/2021	0.002ND	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP (NDs) 1 of 2
<b>Copper, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.002</b>	<b>8/12/2021</b>	<b>0.0031</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Copper, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.002</b>	<b>8/13/2021</b>	<b>0.0046</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	NP (NDs) 1 of 2
<b>Copper, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.002</b>	<b>8/13/2021</b>	<b>0.0025</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>95.65</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-21	0.0044	8/12/2021	0.001ND	No	28	n/a	n/a	75	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.0048	8/12/2021	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.005	8/12/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-46	0.0037	8/12/2021	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.0062	8/13/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.0064	8/12/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-49	0.0062	8/12/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-29	0.0038	8/13/2021	0.001ND	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-50	0.0043	8/13/2021	0.00054J	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0035	8/13/2021	0.00022J	No	28	n/a	n/a	71.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-52	0.006	8/17/2021	0.001ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-53	0.001	8/13/2021	0.00017J	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-22	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-46	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	8/13/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	8/13/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	8/13/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	8/17/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	8/12/2021	0.0011	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-22	0.001	8/12/2021	0.00042J	No	22	n/a	n/a	100	n/a	n/a	0.003707	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	8/12/2021	0.00092J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	8/12/2021	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	8/13/2021	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	8/12/2021	0.001ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP (NDs) 1 of 2
<b>Nickel, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.001</b>	<b>8/12/2021</b>	<b>0.0019</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>91.3</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	8/13/2021	0.0037	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP (NDs) 1 of 2
<b>Nickel, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.0018</b>	<b>8/13/2021</b>	<b>0.0036</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>86.96</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
<b>Nickel, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.0025</b>	<b>8/13/2021</b>	<b>0.0034</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>69.57</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008258	8/13/2021	0.0073	No	23	0.006804	0.0006526	8.696	None	No	0.0007523	Param 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	8/12/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	8/12/2021	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	8/13/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	8/12/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	8/12/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	8/13/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	8/13/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	8/17/2021	0.005ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	8/13/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	8/13/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-51	0.001	8/13/2021	0.001ND	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Vanadium, Total (mg/L)</b>	<b>GWA-21</b>	<b>0.0031</b>	<b>8/12/2021</b>	<b>0.004</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>59.09</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-22	0.0052	8/12/2021	0.0028	No	22	n/a	n/a	54.55	n/a	n/a	0.003707	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	8/12/2021	0.0017	No	22	n/a	n/a	68.18	n/a	n/a	0.003707	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.006504	8/12/2021	0.0031	No	22	0.05801	0.01008	18.18	Kaplan-Meier	sqrt(x)	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.0299	8/13/2021	0.0078	No	23	0.1014	0.03211	8.696	None	sqrt(x)	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02341	8/12/2021	0.019	No	22	0.01572	0.003424	4.545	None	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.02263	8/12/2021	0.02	No	23	0.01862	0.0018	0	None	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.007283	8/13/2021	0.0061	No	23	0.004774	0.001126	8.696	None	No	0.0007523	Param 1 of 2
<b>Vanadium, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.004715</b>	<b>8/13/2021</b>	<b>0.0093</b>	<b>Yes</b>	<b>23</b>	<b>0.003096</b>	<b>0.0007265</b>	<b>39.13</b>	<b>Kaplan-Meier</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.007316	8/13/2021	0.0072	No	23	0.004446	0.001288	21.74	Kaplan-Meier	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01371	8/17/2021	0.011	No	23	0.01109	0.001178	8.696	None	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	8/13/2021	0.0016	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	8/12/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.0085	8/12/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0098	8/12/2021	0.006	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-46	0.0096	8/12/2021	0.005ND	No	22	n/a	n/a	77.27	n/a	n/a	0.003707	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	8/13/2021	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	8/12/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	8/12/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.0058	8/13/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.0076	8/13/2021	0.0053	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	8/13/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0073	8/17/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02028	8/13/2021	0.017	No	22	0.01392	0.002833	0	None	No	0.0007523	Param 1 of 2

# Interwell Appendix I Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 9:46 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-29	0.091	n/a	8/13/2021	0.021	No	201	n/a	n/a	0	n/a	n/a	0.0000492	NP (normality)	1 of 2
Barium, Total (mg/L)	GWC-50	0.091	n/a	8/13/2021	0.029	No	201	n/a	n/a	0	n/a	n/a	0.0000492	NP (normality)	1 of 2
Barium, Total (mg/L)	GWC-51	0.091	n/a	8/13/2021	0.019	No	201	n/a	n/a	0	n/a	n/a	0.0000492	NP (normality)	1 of 2
Barium, Total (mg/L)	GWC-52	0.091	n/a	8/17/2021	0.02	No	201	n/a	n/a	0	n/a	n/a	0.0000492	NP (normality)	1 of 2
Chromium, Total (mg/L)	GWC-50	0.045	n/a	8/13/2021	0.0089	No	208	n/a	n/a	19.23	n/a	n/a	0.0000492	NP (normality)	1 of 2
Chromium, Total (mg/L)	GWC-51	0.045	n/a	8/13/2021	0.0087	No	208	n/a	n/a	19.23	n/a	n/a	0.0000492	NP (normality)	1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	8/17/2021	0.034	No	208	n/a	n/a	19.23	n/a	n/a	0.0000492	NP (normality)	1 of 2
Copper, Total (mg/L)	GWC-50	0.022	n/a	8/13/2021	0.0046	No	170	n/a	n/a	79.41	n/a	n/a	0.0000686	NP (NDs)	1 of 2
Copper, Total (mg/L)	GWC-51	0.022	n/a	8/13/2021	0.0025	No	170	n/a	n/a	79.41	n/a	n/a	0.0000686	NP (NDs)	1 of 2
Nickel, Total (mg/L)	GWC-50	0.022	n/a	8/13/2021	0.0036	No	172	n/a	n/a	79.65	n/a	n/a	0.000067	NP (NDs)	1 of 2
Nickel, Total (mg/L)	GWC-51	0.022	n/a	8/13/2021	0.0034	No	172	n/a	n/a	79.65	n/a	n/a	0.000067	NP (NDs)	1 of 2
Vanadium, Total (mg/L)	GWC-50	0.041	n/a	8/13/2021	0.0093	No	170	n/a	n/a	27.65	n/a	n/a	0.0000686	NP (normality)	1 of 2

# Trend Test Summary Table - Significant Results Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/18/2021, 5:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-22 (bg)	-0.0003717	-150	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006729	349	152	Yes	31	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.000374	192	139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-29	0.0004177	222	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.0007381	330	146	Yes	30	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004873	-208	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.0005415	237	146	Yes	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.001221	264	146	Yes	30	3.333	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-47 (bg)	-0.0008822	-167	-105	Yes	24	37.5	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.0002103	-128	-111	Yes	25	56	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-48 (bg)	0.0006242	142	105	Yes	24	4.167	n/a	n/a	0.01	NP



# Trend Test Summary Table - All Results Appendix I

Plant Scherer    Client: Southern Company    Data: Scherer PAC-CCR    Printed 9/18/2021, 5:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0004244	116	139	No	29	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>-0.0003717</b>	<b>-150</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>0.006729</b>	<b>349</b>	<b>152</b>	<b>Yes</b>	<b>31</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.000374</b>	<b>192</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWA-47 (bg)	-0.0009836	-108	-139	No	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-27	-131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	1	146	No	30	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0004177</b>	<b>222</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWC-50	0.0001461	117	146	No	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-51	0.00001955	39	146	No	30	3.333	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0007381</b>	<b>330</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-0.0004873</b>	<b>-208</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>13.33</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>0.0005415</b>	<b>237</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>6.667</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium, Total (mg/L)	GWA-45 (bg)	0	0	131	No	28	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00004855	55	146	No	30	3.333	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003091	-59	-146	No	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0003604	-107	-146	No	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00002	-13	-146	No	30	3.333	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-50	0.0001157	126	146	No	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-51	0.00001268	16	146	No	30	10	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.001221</b>	<b>264</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>3.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Copper, Total (mg/L)	GWA-21 (bg)	0	-3	-105	No	24	91.67	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-22 (bg)	0	-1	-105	No	24	95.83	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-45 (bg)	0	-52	-111	No	25	76	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-46 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
<b>Copper, Total (mg/L)</b>	<b>GWA-47 (bg)</b>	<b>-0.0008822</b>	<b>-167</b>	<b>-105</b>	<b>Yes</b>	<b>24</b>	<b>37.5</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Copper, Total (mg/L)	GWA-48 (bg)	-0.00008322	-101	-105	No	24	58.33	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-49 (bg)	0	24	111	No	25	96	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWC-50	0	23	105	No	24	95.83	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWC-51	0	3	111	No	25	92	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-21 (bg)	0	-93	-105	No	24	79.17	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-22 (bg)	0	-45	-105	No	24	91.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-45 (bg)	0	-94	-111	No	25	80	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-46 (bg)	0	-15	-105	No	24	95.83	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-47 (bg)	0	-60	-111	No	25	68	n/a	n/a	0.01	NP
<b>Nickel, Total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>-0.0002103</b>	<b>-128</b>	<b>-111</b>	<b>Yes</b>	<b>25</b>	<b>56</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel, Total (mg/L)	GWA-49 (bg)	0	-13	-111	No	25	88	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-50	0	-10	-111	No	25	80	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-51	0	-105	-111	No	25	64	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-21 (bg)	0	29	105	No	24	54.17	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-22 (bg)	0	26	105	No	24	50	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-45 (bg)	0	49	105	No	24	62.5	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-46 (bg)	0	3	105	No	24	16.67	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-47 (bg)	-0.0005047	-46	-111	No	25	8	n/a	n/a	0.01	NP
<b>Vanadium, Total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>0.0006242</b>	<b>142</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>4.167</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Vanadium, Total (mg/L)	GWA-49 (bg)	0.0001932	86	111	No	25	0	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWC-50	0	-32	-111	No	25	36	n/a	n/a	0.01	NP

# Appendix III Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBq	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-52	19.24	n/a	8/17/2021	22	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-45	12	n/a	8/12/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2	
Chloride (mg/L)	GWA-46	4.852	n/a	8/12/2021	5.5	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-47	1.787	n/a	8/13/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-51	7.599	n/a	8/13/2021	8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2	
Fluoride (mg/L)	GWA-46	0.1	n/a	8/12/2021	0.11	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
pH (S.U.)	GWA-45	6.48	5.95	8/12/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2	
pH (S.U.)	GWC-29	6.059	5.652	8/13/2021	6.18	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2	
Sulfate (mg/L)	GWC-52	26.14	n/a	8/17/2021	54	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2	

## Appendix III Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC-CCR    Printed 9/19/2021, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-21	0.08	n/a	8/12/2021	0.08ND	No	15	n/a	n/a	86.67	n/a	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWA-45	1.23	n/a	8/12/2021	1.1	No	15	0.5984	0.288	0	None	No	0.001504	Param Intra 1 of 2	
Boron (mg/L)	GWA-47	0.08	n/a	8/13/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Boron (mg/L)	GWA-48	0.08	n/a	8/12/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Boron (mg/L)	GWC-29	0.08	n/a	8/13/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Boron (mg/L)	GWC-53	1.103	n/a	8/13/2021	0.94	No	15	0.9376	0.0752	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-21	11.54	n/a	8/12/2021	7.2	No	15	8.885	1.213	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-22	9.681	n/a	8/12/2021	6	No	15	6.973	1.235	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-45	46.75	n/a	8/12/2021	26	No	15	36.75	4.558	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-46	7.002	n/a	8/12/2021	6.1	No	15	5.705	0.5914	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-47	12.34	n/a	8/13/2021	11	No	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-48	14.32	n/a	8/12/2021	12	No	15	12.53	0.813	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-49	15.64	n/a	8/12/2021	14	No	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWC-29	16	n/a	8/13/2021	15	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2	
Calcium (mg/L)	GWC-50	8.176	n/a	8/13/2021	7.2	No	15	7.156	0.465	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWC-51	7.763	n/a	8/13/2021	7	No	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2	
<b>Calcium (mg/L)</b>	<b>GWC-52</b>	<b>19.24</b>	<b>n/a</b>	<b>8/17/2021</b>	<b>22</b>	<b>Yes</b>	<b>15</b>	<b>14.34</b>	<b>2.233</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Calcium (mg/L)	GWC-53	21.11	n/a	8/13/2021	17	No	15	17.19	1.786	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-21	4.319	n/a	8/12/2021	4.1	No	15	3.296	0.4668	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-22	4.968	n/a	8/12/2021	2.7	No	15	2.927	0.9308	0	None	No	0.001504	Param Intra 1 of 2	
<b>Chloride (mg/L)</b>	<b>GWA-45</b>	<b>12</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>13</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>	
<b>Chloride (mg/L)</b>	<b>GWA-46</b>	<b>4.852</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>5.5</b>	<b>Yes</b>	<b>15</b>	<b>3.488</b>	<b>0.6223</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
<b>Chloride (mg/L)</b>	<b>GWA-47</b>	<b>1.787</b>	<b>n/a</b>	<b>8/13/2021</b>	<b>1.8</b>	<b>Yes</b>	<b>15</b>	<b>1.478</b>	<b>0.1408</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Chloride (mg/L)	GWA-48	1.996	n/a	8/12/2021	1.8	No	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-49	2.384	n/a	8/12/2021	2.2	No	15	2.072	0.1421	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-29	4.145	n/a	8/13/2021	3.7	No	14	3.393	0.3362	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-50	2.183	n/a	8/13/2021	2.1	No	15	1.953	0.105	0	None	No	0.001504	Param Intra 1 of 2	
<b>Chloride (mg/L)</b>	<b>GWC-51</b>	<b>7.599</b>	<b>n/a</b>	<b>8/13/2021</b>	<b>8</b>	<b>Yes</b>	<b>14</b>	<b>6.793</b>	<b>0.3605</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Chloride (mg/L)	GWC-52	8.538	n/a	8/17/2021	8.3	No	14	7.9	0.2855	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-53	13	n/a	8/13/2021	13	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2	
Fluoride (mg/L)	GWA-21	0.082	n/a	8/12/2021	0.04J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-22	0.082	n/a	8/12/2021	0.028J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-45	0.1	n/a	8/12/2021	0.1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
<b>Fluoride (mg/L)</b>	<b>GWA-46</b>	<b>0.1</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>0.11</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>86.67</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (NDs) 1 of 2</b>	
Fluoride (mg/L)	GWA-47	0.1	n/a	8/13/2021	0.09J	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-48	0.1	n/a	8/12/2021	0.052J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-49	0.082	n/a	8/12/2021	0.058J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-29	0.082	n/a	8/13/2021	0.065J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-50	0.1	n/a	8/13/2021	0.048J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-51	0.1	n/a	8/13/2021	0.043J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-52	0.082	n/a	8/17/2021	0.094J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-53	0.1	n/a	8/13/2021	0.034J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
pH (S.U.)	GWA-21	5.979	5.611	8/12/2021	5.88	No	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWA-22	6.255	5.546	8/12/2021	5.91	No	18	5.901	0.1685	0	None	No	0.000752	Param Intra 1 of 2	
<b>pH (S.U.)</b>	<b>GWA-45</b>	<b>6.48</b>	<b>5.95</b>	<b>8/12/2021</b>	<b>5.92</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01183</b>	<b>NP Intra (normality) 1 of 2</b>	
pH (S.U.)	GWA-46	6.83	5.71	8/12/2021	5.71	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2	
pH (S.U.)	GWA-47	6.578	6.308	8/13/2021	6.33	No	19	6.443	0.06488	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWA-48	6.953	6.562	8/12/2021	6.86	No	17	6.758	0.09196	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWA-49	7.057	6.66	8/12/2021	6.86	No	17	6.858	0.09329	0	None	No	0.000752	Param Intra 1 of 2	
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>6.059</b>	<b>5.652</b>	<b>8/13/2021</b>	<b>6.18</b>	<b>Yes</b>	<b>17</b>	<b>5.855</b>	<b>0.09566</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	<b>Param Intra 1 of 2</b>	

# Appendix III Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (S.U.)	GWC-50	5.967	5.667	8/13/2021	5.86	No	18	5.817	0.07136	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWC-51	5.975	5.734	8/13/2021	5.92	No	18	5.854	0.05721	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWC-52	6.787	6.516	8/17/2021	6.63	No	18	6.652	0.06447	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWC-53	5.76	5.427	8/13/2021	5.47	No	17	5.594	0.07834	0	None	No	0.000752	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-21	2.559	n/a	8/12/2021	1.8	No	15	1.375	0.5398	6.667	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-22	1	n/a	8/12/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWA-45	183.3	n/a	8/12/2021	180	No	15	147.8	16.19	0	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-46	1	n/a	8/12/2021	1	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWA-47	1	n/a	8/13/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWA-48	1.689	n/a	8/12/2021	1	No	15	1.235	0.2069	0	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-49	1	n/a	8/12/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWC-29	3.367	n/a	8/13/2021	2.7	No	15	2.643	0.33	6.667	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWC-50	1	n/a	8/13/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWC-51	2.7	n/a	8/13/2021	1.4	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
<b>Sulfate (mg/L)</b>	<b>GWC-52</b>	<b>26.14</b>	<b>n/a</b>	<b>8/17/2021</b>	<b>54</b>	<b>Yes</b>	<b>11</b>	<b>12.62</b>	<b>5.636</b>	<b>9.091</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Sulfate (mg/L)	GWC-53	186.4	n/a	8/13/2021	170	No	15	153.7	14.9	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-21	129.8	n/a	8/12/2021	98	No	15	85.4	20.24	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-22	105.2	n/a	8/12/2021	68	No	15	66.13	17.82	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-45	366.7	n/a	8/12/2021	330	No	15	271.8	43.29	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-46	94.72	n/a	8/12/2021	55	No	15	51.77	19.59	6.667	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-47	118.4	n/a	8/13/2021	110	No	15	86.07	14.72	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-48	126.5	n/a	8/12/2021	100	No	15	92.53	15.48	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-49	131.2	n/a	8/12/2021	120	No	14	107.4	10.65	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-29	139.5	n/a	8/13/2021	120	No	15	90.67	22.27	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-50	119.1	n/a	8/13/2021	72	No	15	70.53	22.17	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-51	108.7	n/a	8/13/2021	92	No	14	77.07	14.12	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-52	193.6	n/a	8/17/2021	180	No	15	128.3	29.78	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-53	332.3	n/a	8/13/2021	290	No	15	254.5	35.48	0	None	No	0.001504	Param Intra 1 of 2	

# Interwell Appendix III Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg. NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-52	45	n/a	8/17/2021	22	No	119	n/a	n/a	0	n/a	n/a	0.000138	NP (normality) 1 of 2
Chloride (mg/L)	GWC-51	13	n/a	8/13/2021	8	No	118	n/a	n/a	0	n/a	n/a	0.0001409	NP (normality) 1 of 2
pH (S.U.)	GWC-29	7	5.52	8/13/2021	6.18	No	139	n/a	n/a	0	n/a	n/a	0.0002029	NP (normality) 1 of 2
Sulfate (mg/L)	GWC-52	180	n/a	8/17/2021	54	No	119	n/a	n/a	45.38	n/a	n/a	0.000138	NP (normality) 1 of 2

# Trend Test Summary Table - Significant Results (Appendix III)

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:22 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWC-52	1.648	101	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-21 (bg)	0.2105	73	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-46 (bg)	0.4473	105	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-51	0.2581	78	58	Yes	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.05462	87	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-45 (bg)	6.917	67	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-52	8.55	118	63	Yes	17	5.882	n/a	n/a	0.01	NP

# Trend Test Summary Table - All Results (Appendix III)

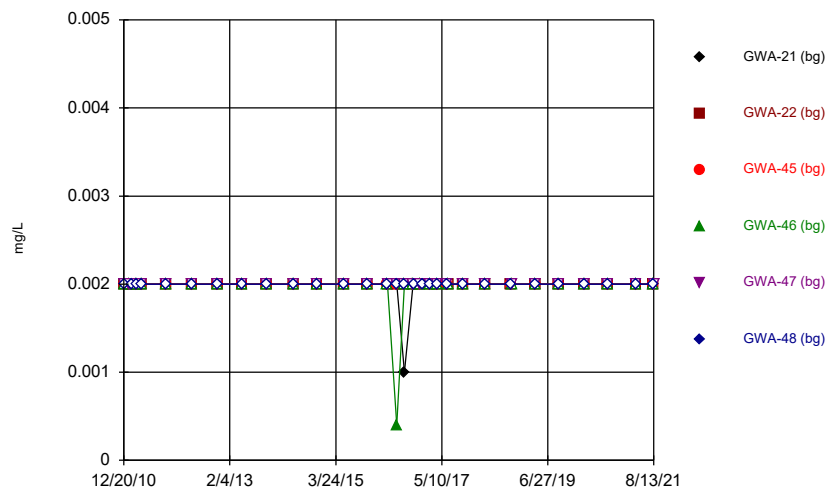
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:22 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-21 (bg)	0.03757	5	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-22 (bg)	-0.03328	-5	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-45 (bg)	0	1	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-46 (bg)	0.2062	50	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-47 (bg)	0.2061	52	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-48 (bg)	0	23	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-49 (bg)	0	20	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-52</b>	<b>1.648</b>	<b>101</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>0.2105</b>	<b>73</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWA-22 (bg)	-0.321	-49	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-45 (bg)	0.3711	59	63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4473</b>	<b>105</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWA-47 (bg)	0	-2	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-48 (bg)	0	-10	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-49 (bg)	-0.02713	-31	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>GWC-51</b>	<b>0.2581</b>	<b>78</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (S.U.)	GWA-21 (bg)	0.02054	47	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01012	12	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.02066	-49	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.004223	18	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.005456	29	92	No	22	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	0.005681	19	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.004	12	74	No	19	0	n/a	n/a	0.01	NP
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>0.05462</b>	<b>87</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-21 (bg)	0.08898	29	63	No	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-22 (bg)	0	-8	-63	No	17	94.12	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>6.917</b>	<b>67</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-46 (bg)	0	-18	-63	No	17	64.71	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-47 (bg)	0	-31	-63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-48 (bg)	0.02415	18	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-49 (bg)	0	-21	-63	No	17	70.59	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-52</b>	<b>8.55</b>	<b>118</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>5.882</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

FIGURE A.

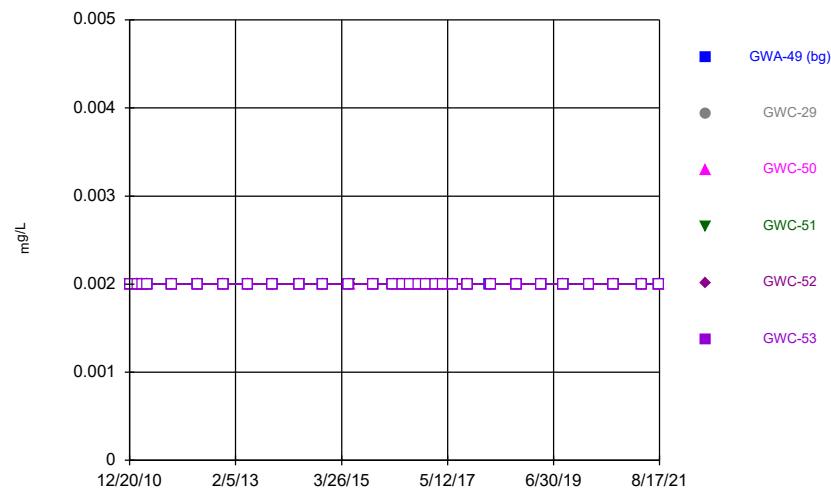


### Time Series



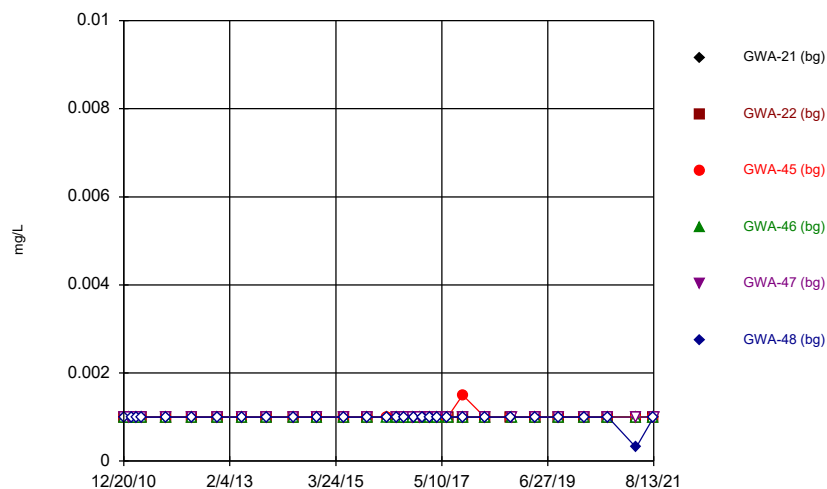
Constituent: Antimony, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



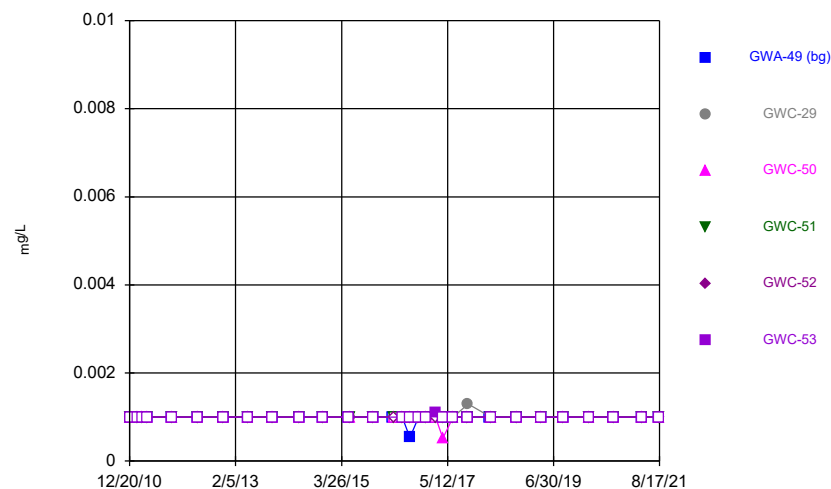
Constituent: Antimony, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



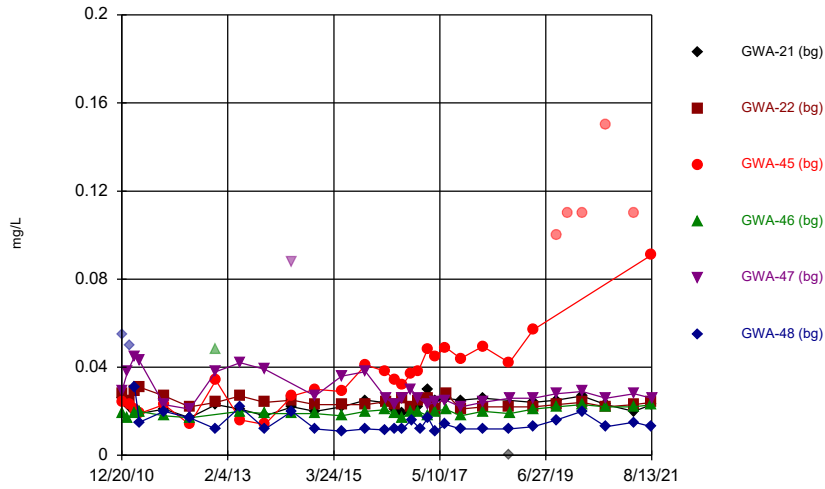
Constituent: Arsenic, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



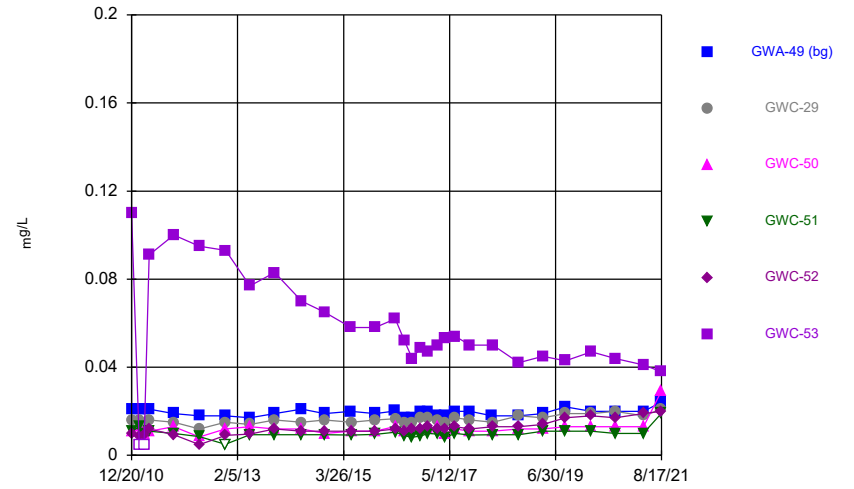
Constituent: Arsenic, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



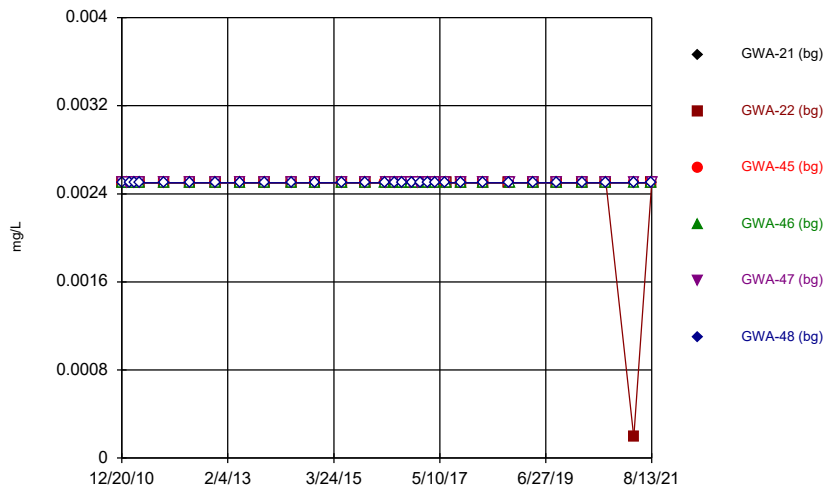
Constituent: Barium, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



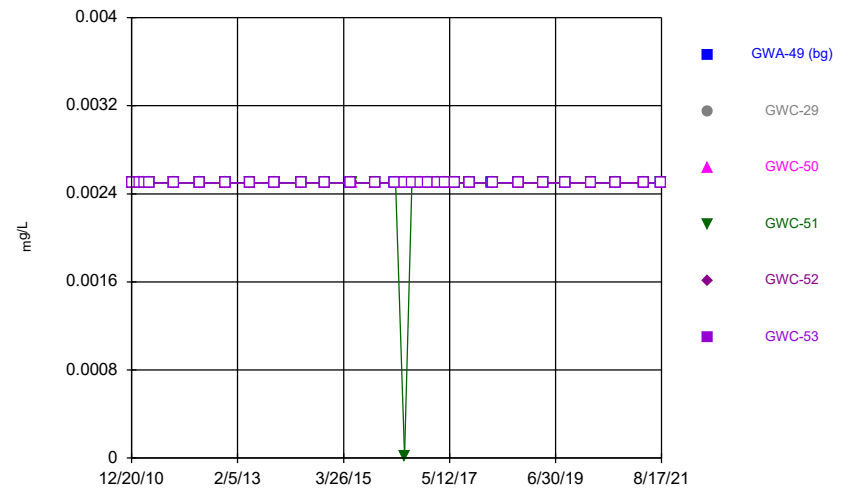
Constituent: Barium, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



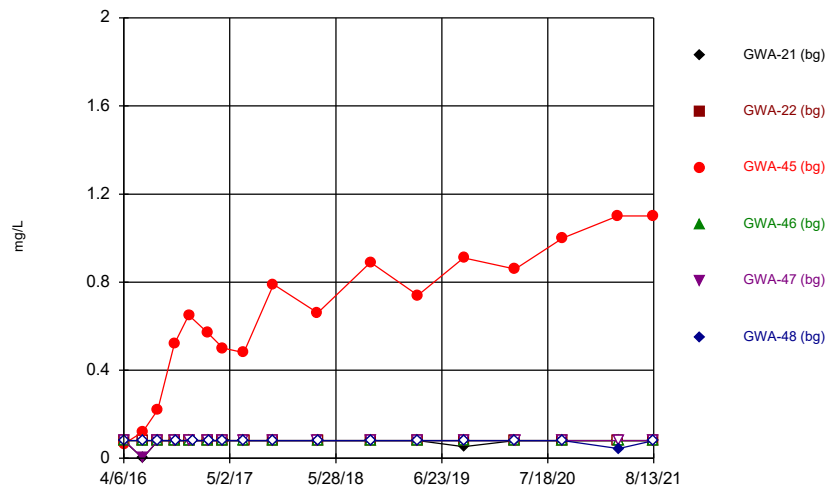
Constituent: Beryllium, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



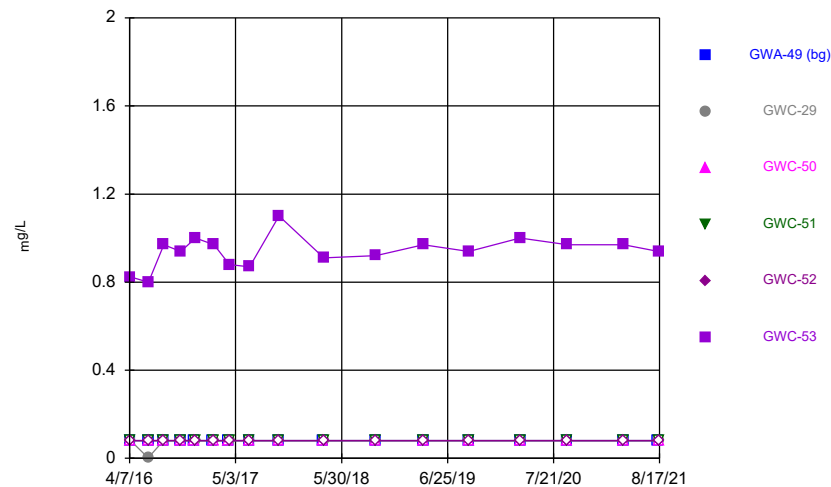
Constituent: Beryllium, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



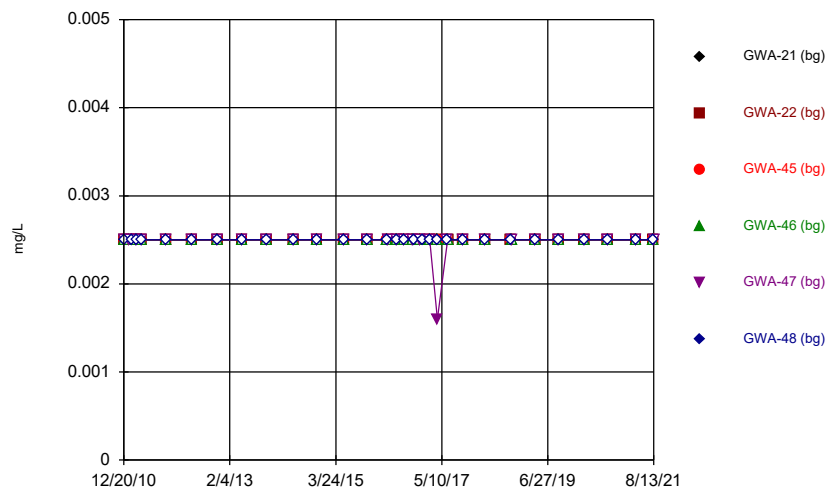
Constituent: Boron Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



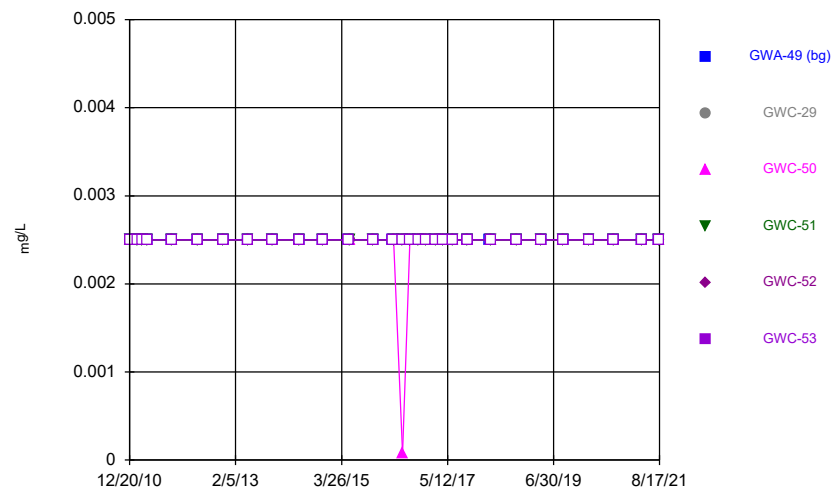
Constituent: Boron Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



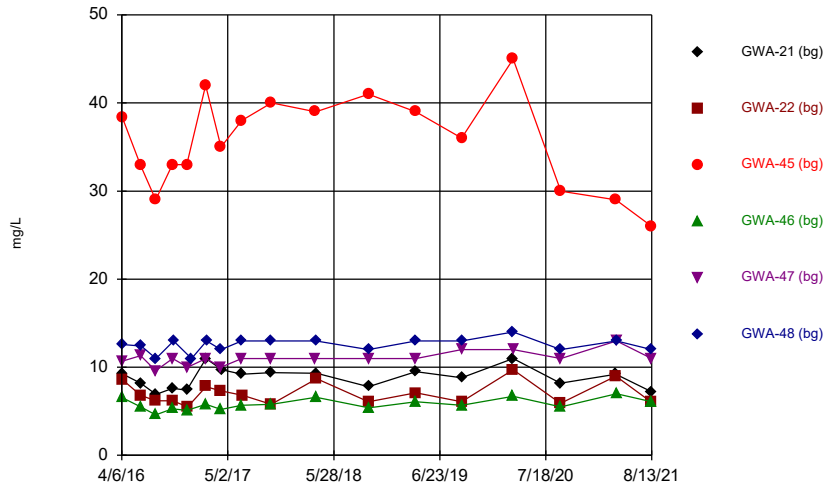
Constituent: Cadmium, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



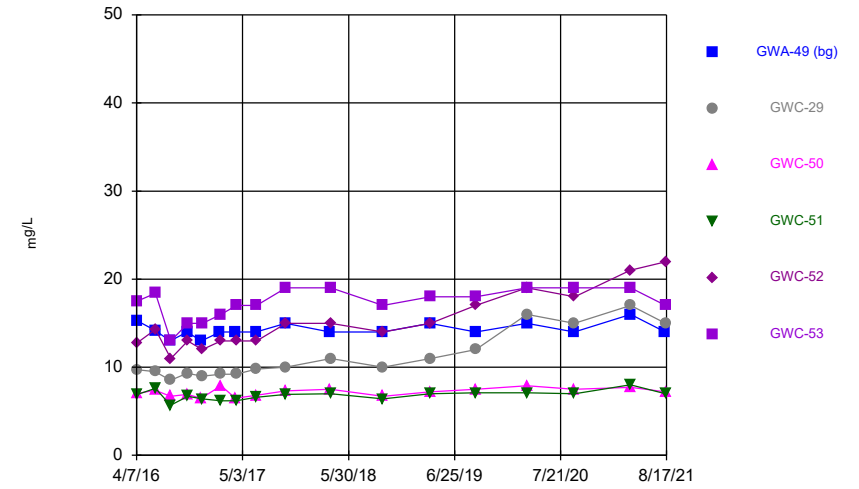
Constituent: Cadmium, Total Analysis Run 9/21/2021 8:38 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



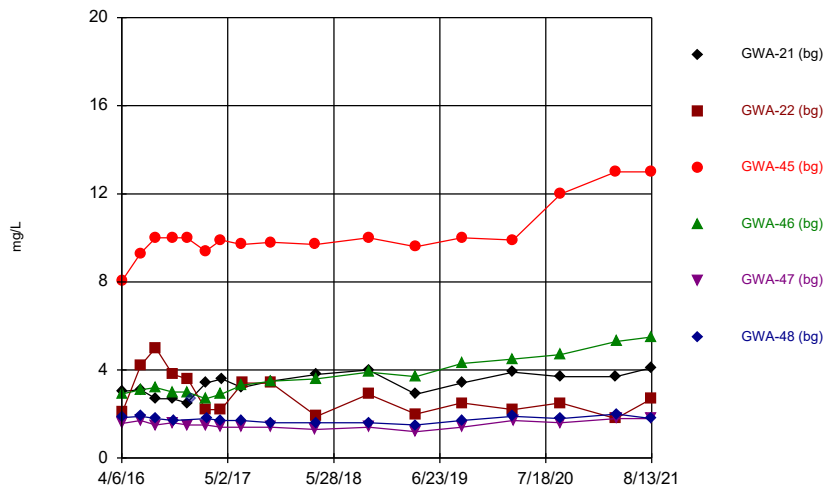
Constituent: Calcium Analysis Run 9/21/2021 8:38 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



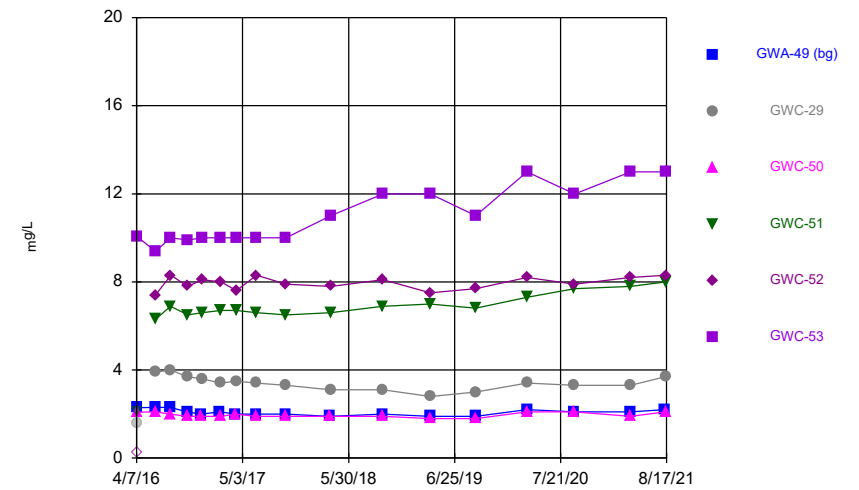
Constituent: Calcium Analysis Run 9/21/2021 8:38 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



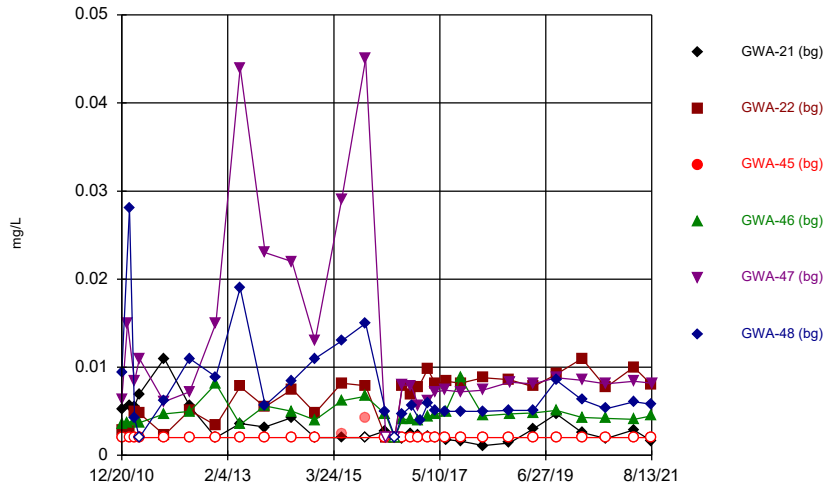
Constituent: Chloride Analysis Run 9/21/2021 8:38 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



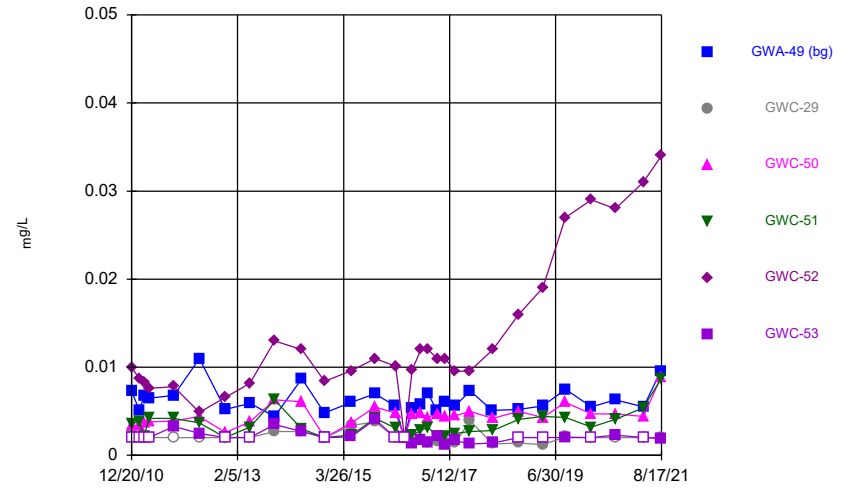
Constituent: Chloride Analysis Run 9/21/2021 8:39 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



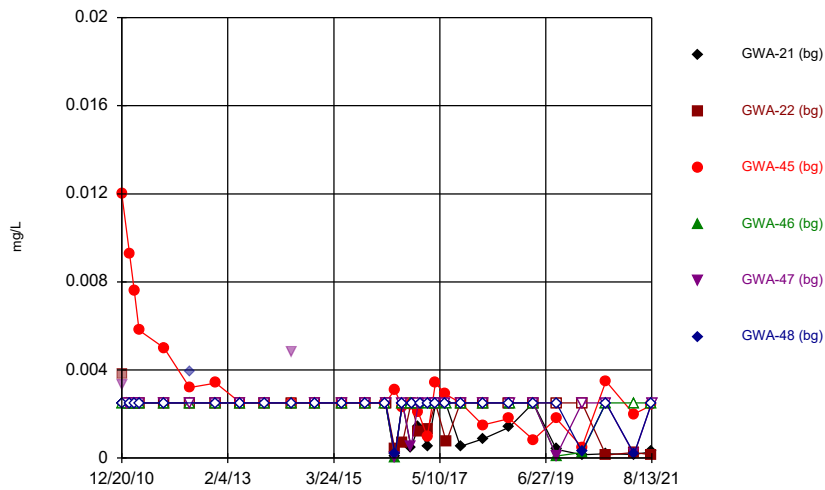
Constituent: Chromium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



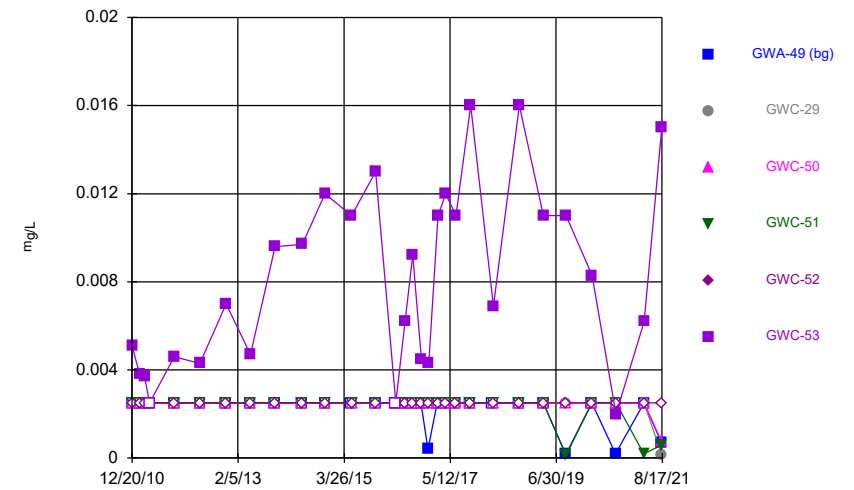
Constituent: Chromium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



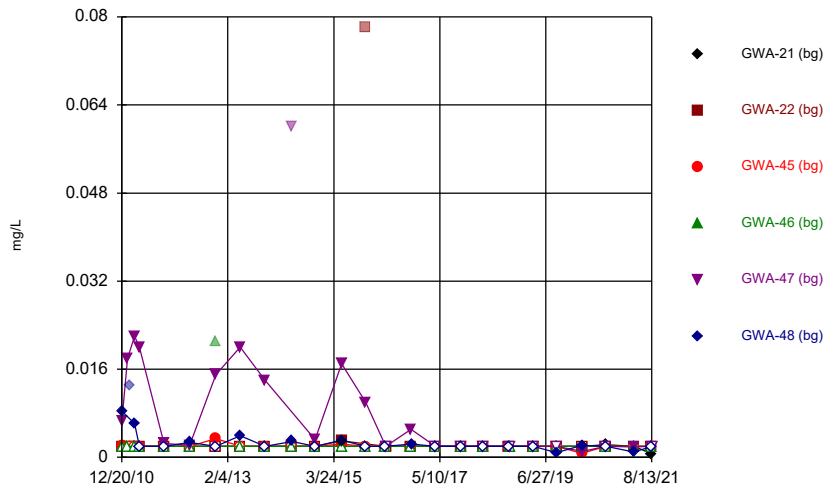
Constituent: Cobalt, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



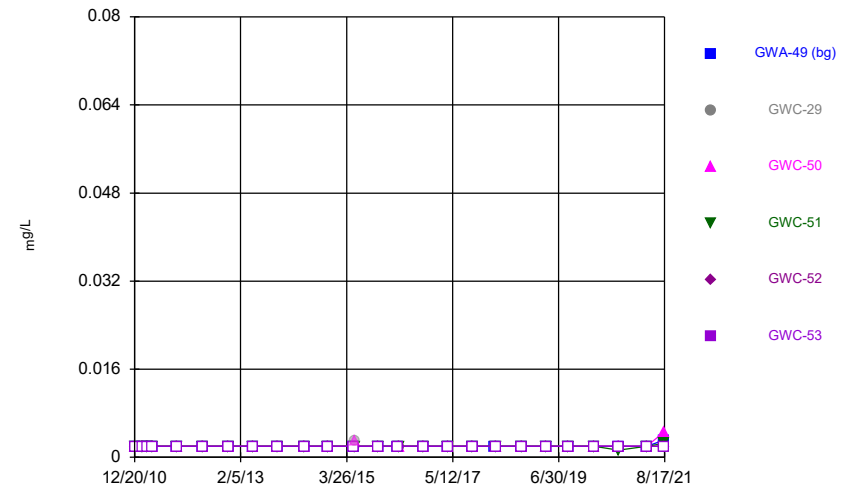
Constituent: Cobalt, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



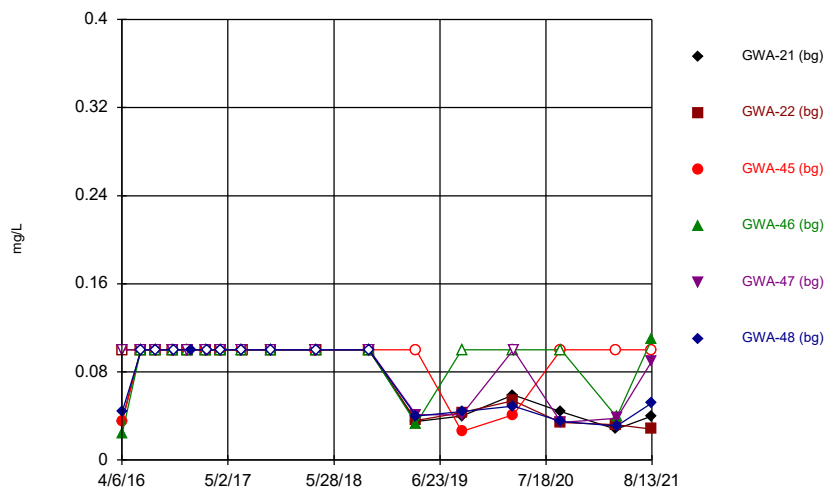
Constituent: Copper, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



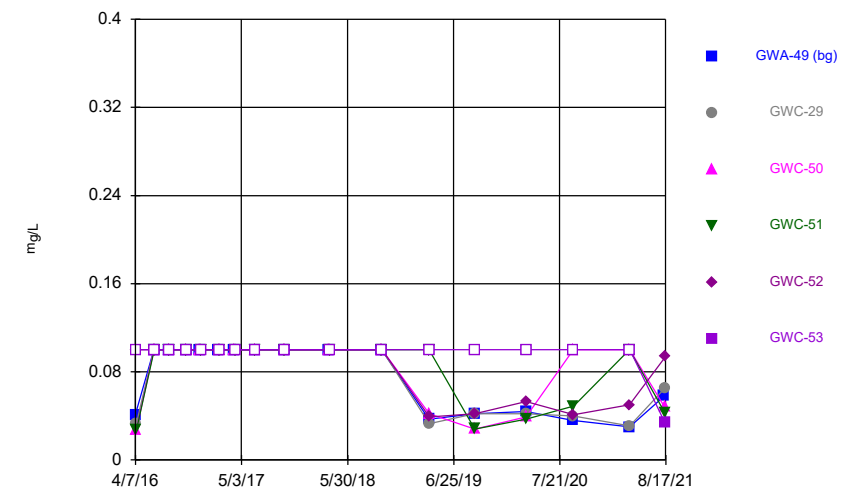
Constituent: Copper, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



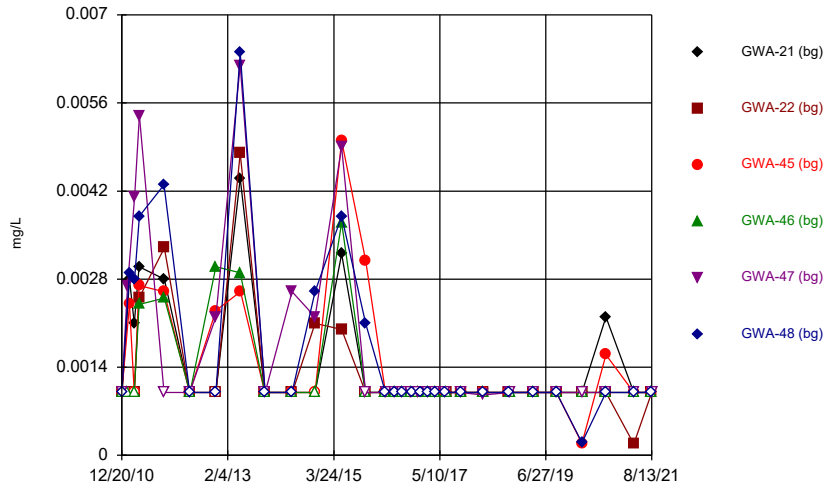
Constituent: Fluoride Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



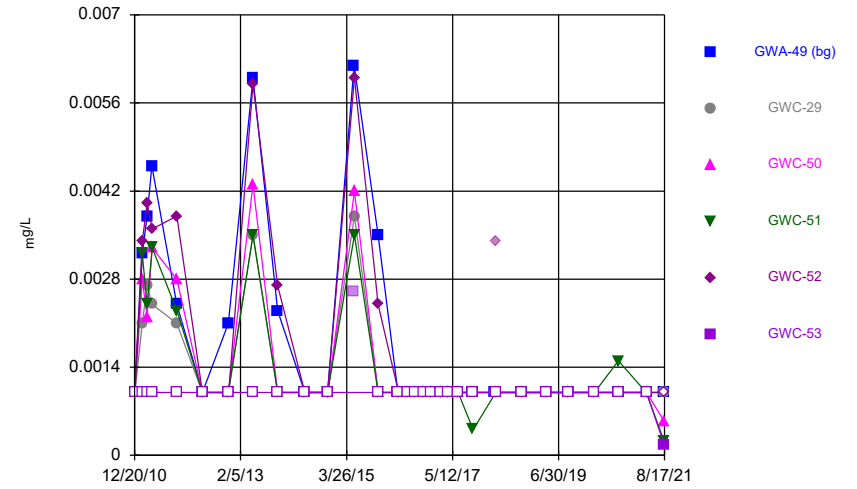
Constituent: Fluoride Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



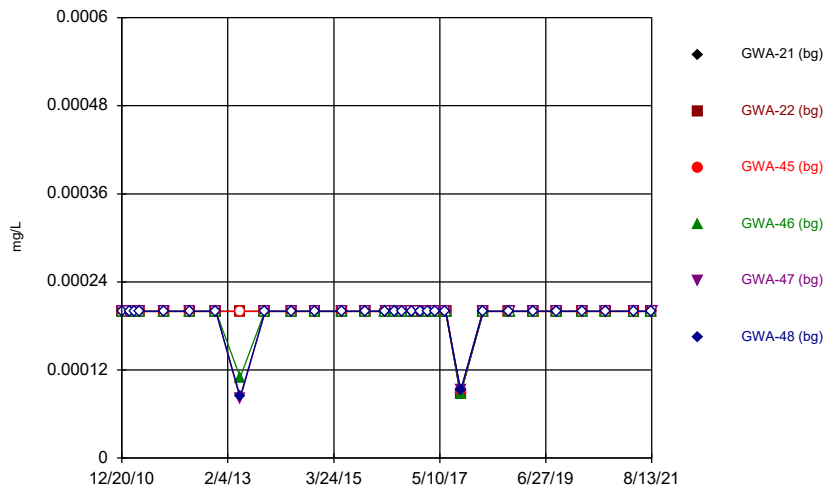
Constituent: Lead, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



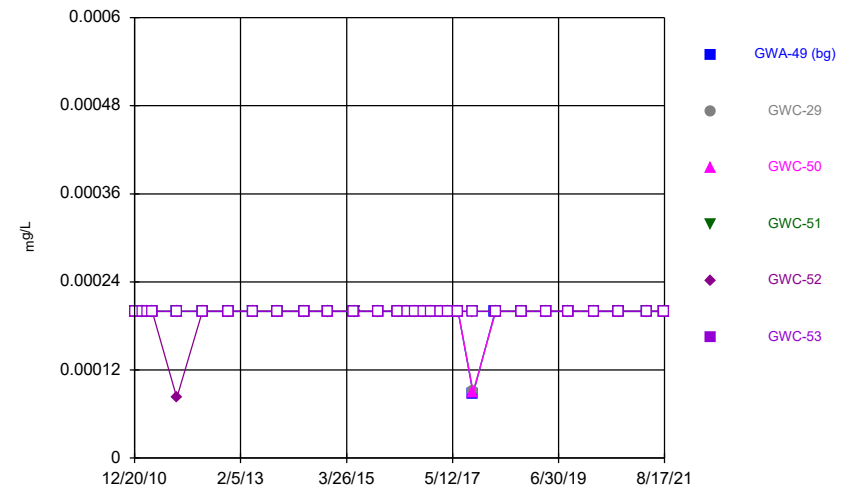
Constituent: Lead, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



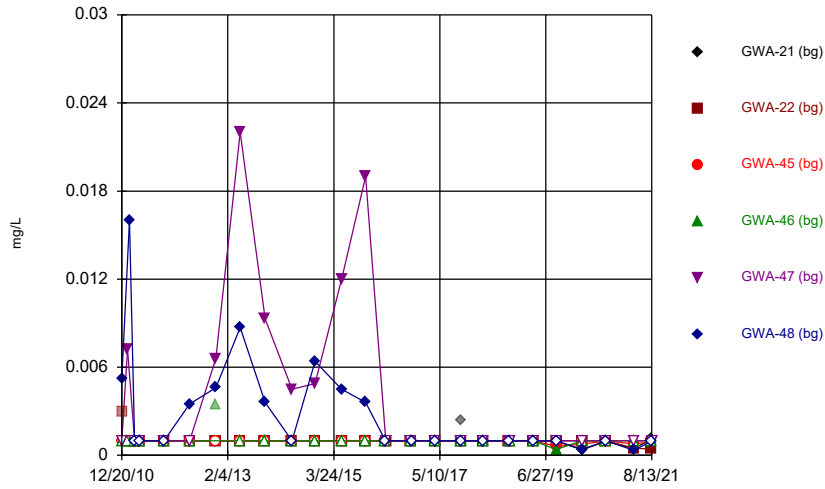
Constituent: Mercury, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Time Series



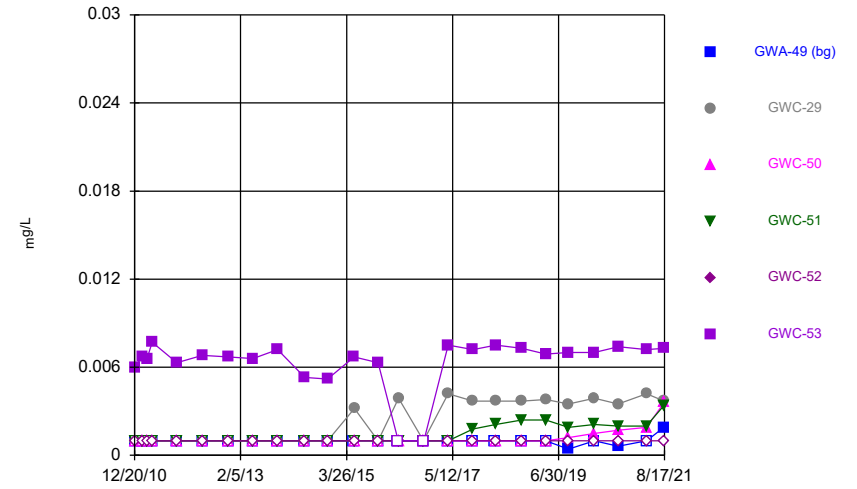
Constituent: Mercury, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



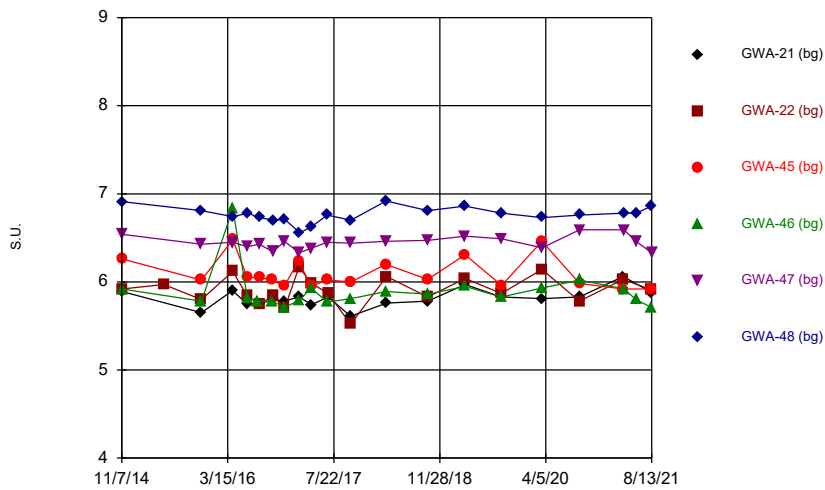
Constituent: Nickel, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



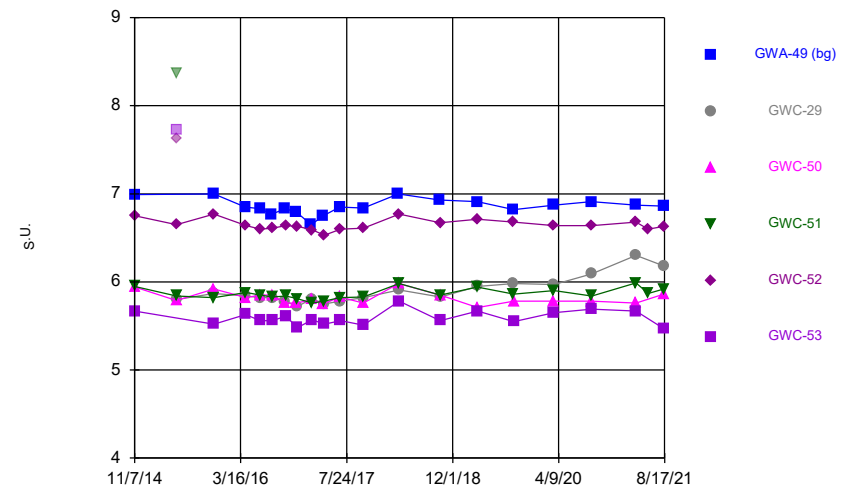
Constituent: Nickel, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



Constituent: pH Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

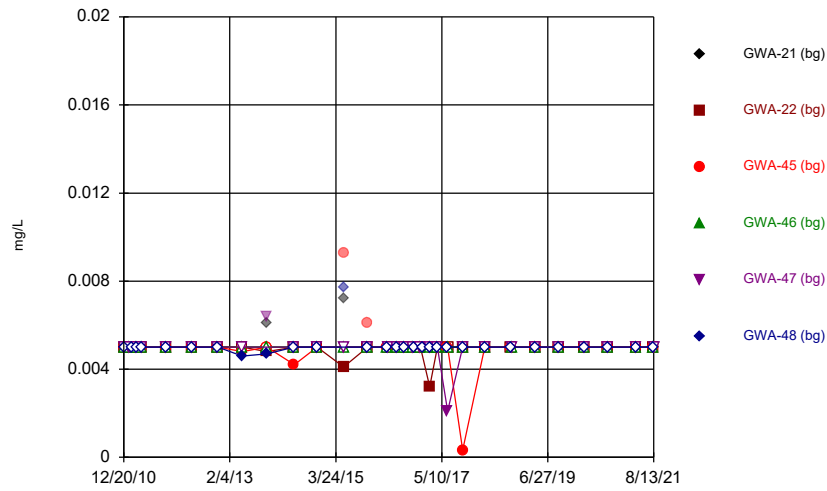
Time Series



Constituent: pH Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

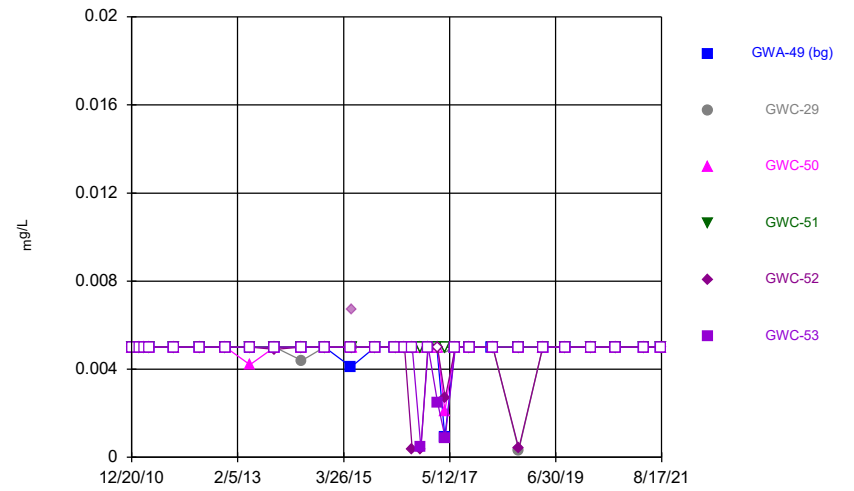


Time Series



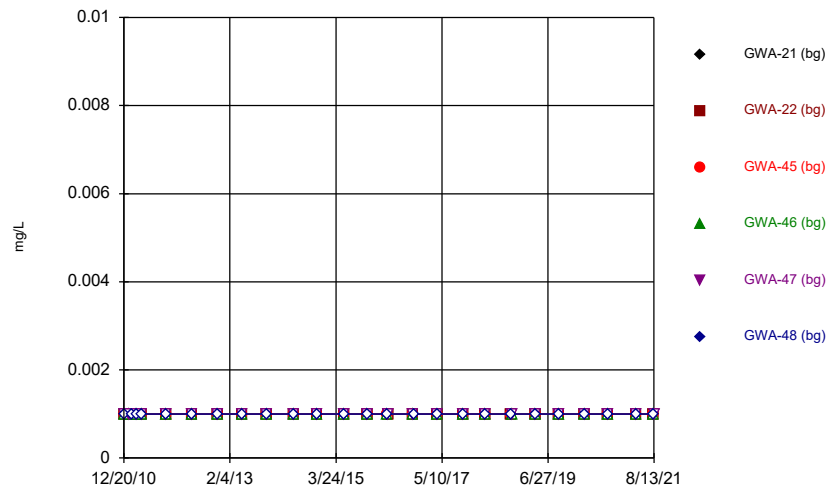
Constituent: Selenium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



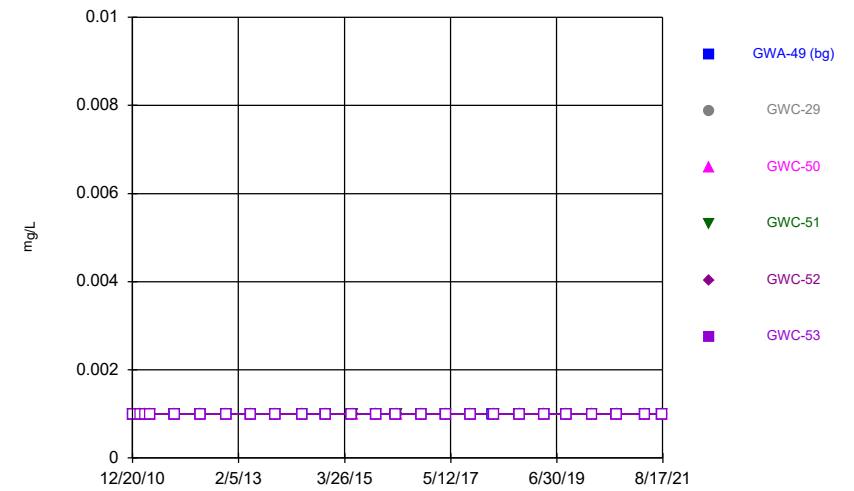
Constituent: Selenium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



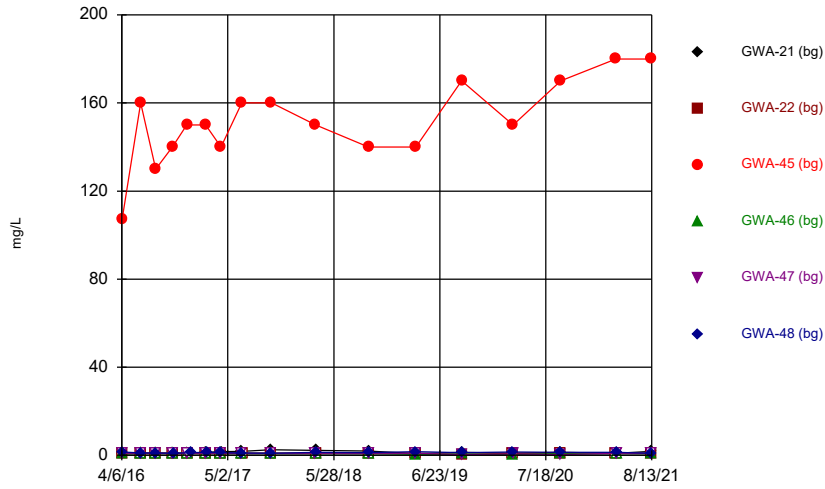
Constituent: Silver, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



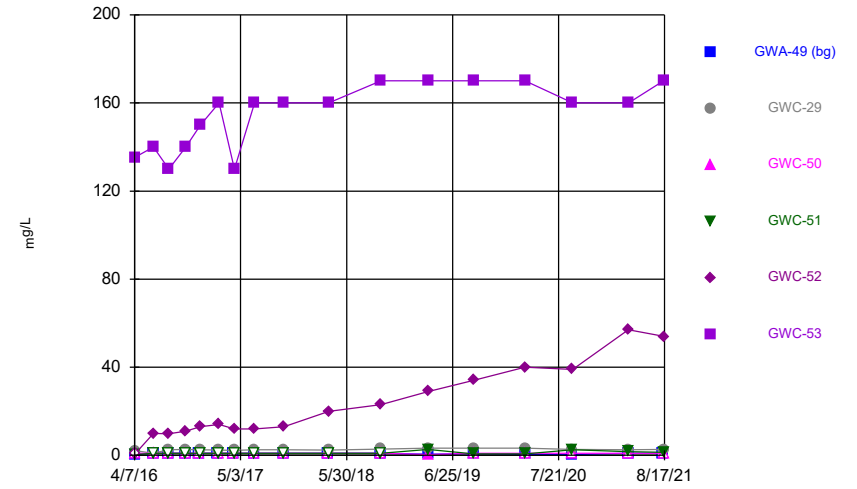
Constituent: Silver, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



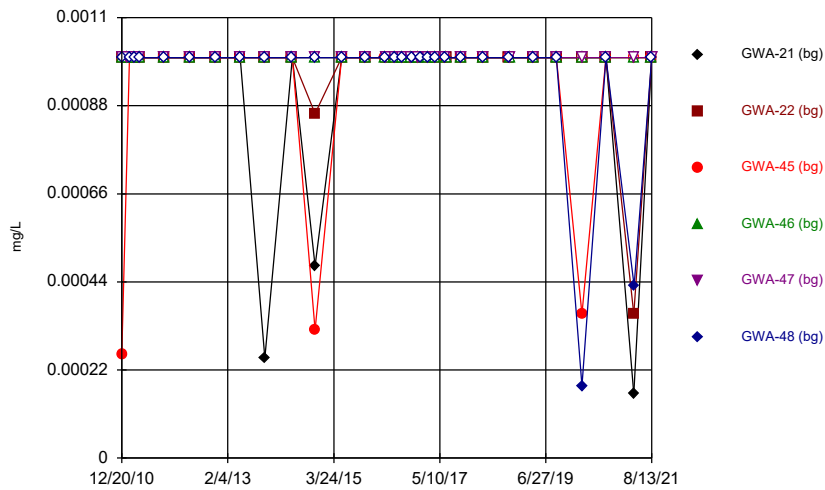
Constituent: Sulfate Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



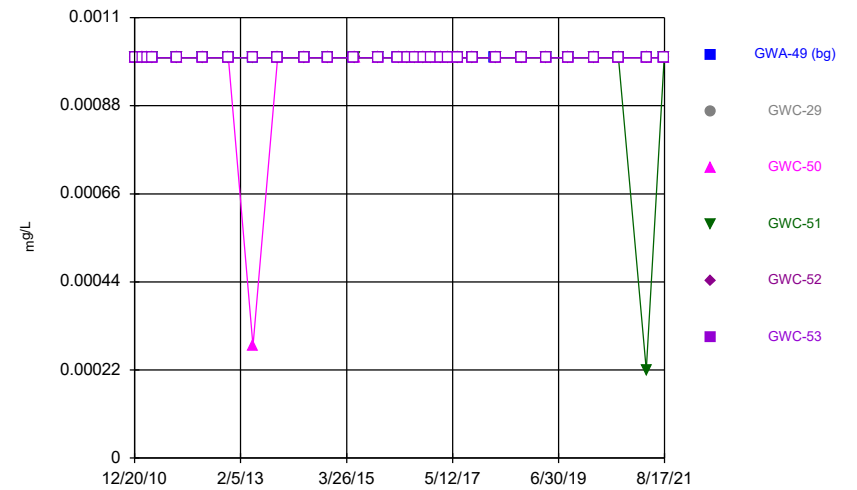
Constituent: Sulfate Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



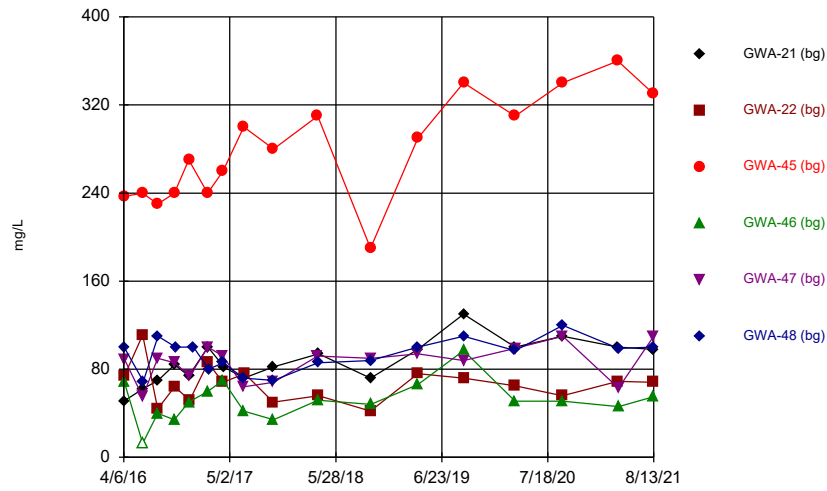
Constituent: Thallium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



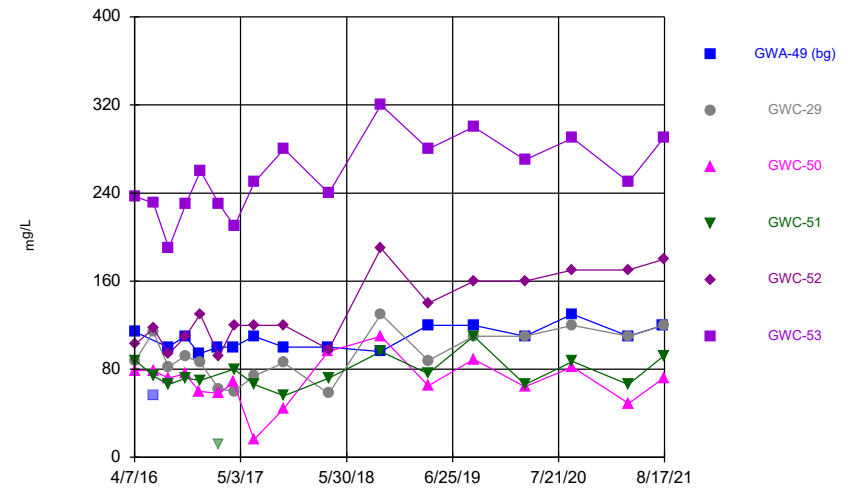
Constituent: Thallium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



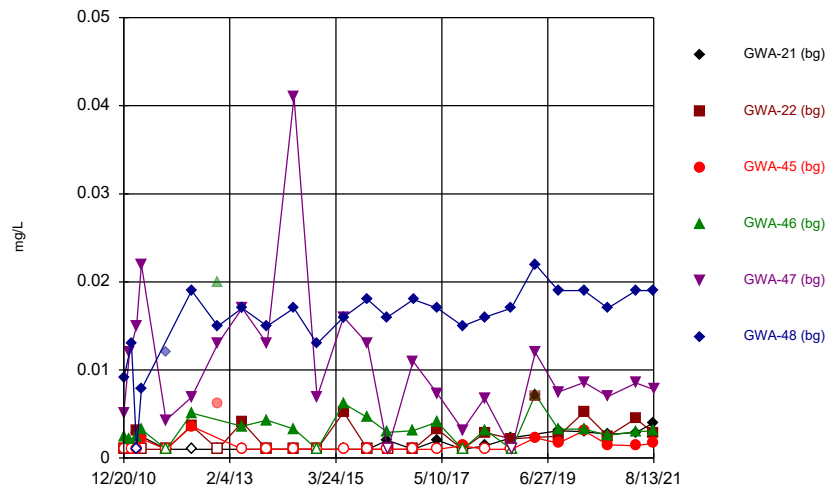
Constituent: Total Dissolved Solids Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



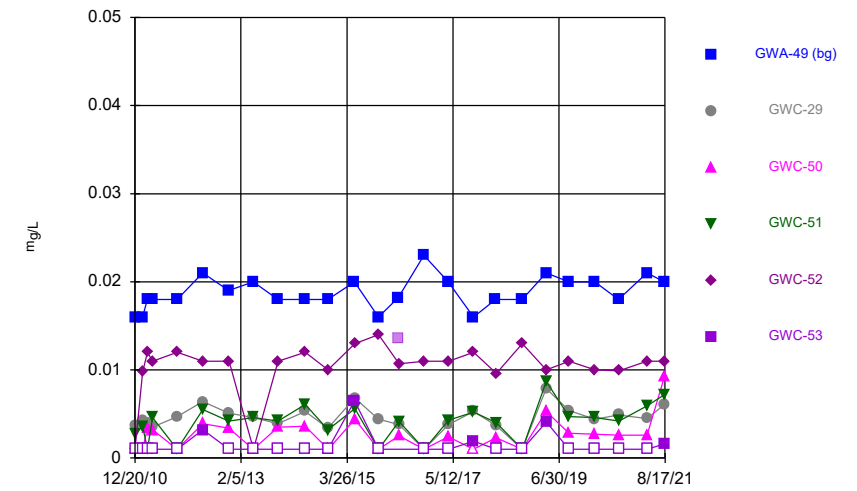
Constituent: Total Dissolved Solids Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



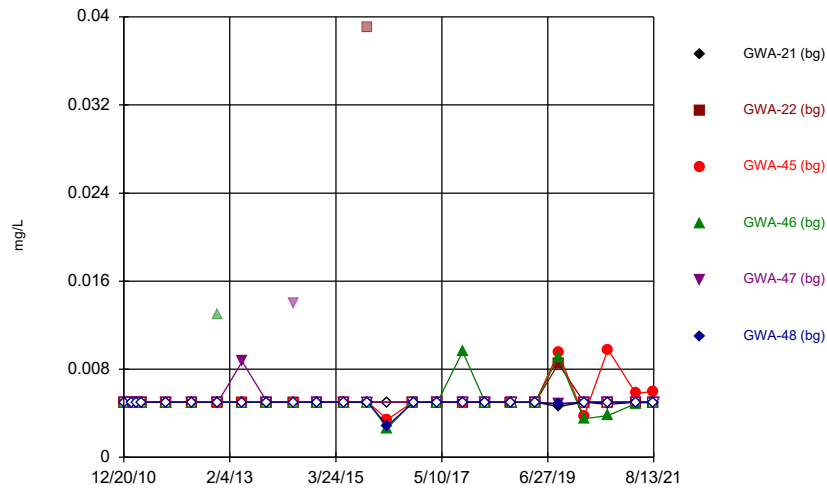
Constituent: Vanadium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



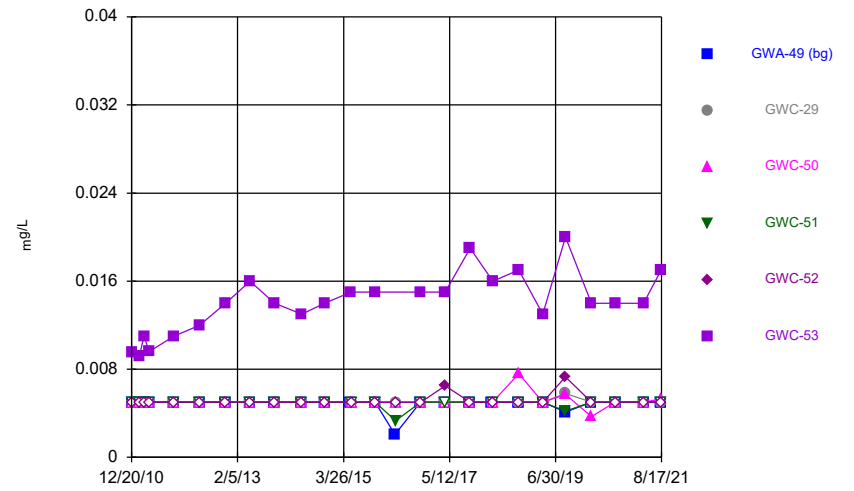
Constituent: Vanadium, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



Constituent: Zinc, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Time Series



Constituent: Zinc, Total Analysis Run 9/21/2021 8:39 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.002	<0.002	<0.002				
12/21/2010						<0.002	<0.002		
12/22/2010	<0.002	<0.002						<0.002	<0.002
2/1/2011				<0.002	<0.002				
2/14/2011	<0.002	<0.002	<0.002			<0.002	<0.002		
2/15/2011								<0.002	<0.002
3/21/2011			<0.002	<0.002			<0.002		
3/22/2011	<0.002	<0.002						<0.002	<0.002
3/23/2011					<0.002	<0.002			
4/26/2011	<0.002	<0.002	<0.002	<0.002			<0.002		
4/27/2011					<0.002	<0.002		<0.002	<0.002
10/25/2011						<0.002			
10/26/2011			<0.002		<0.002		<0.002	<0.002	<0.002
10/27/2011	<0.002	<0.002		<0.002					
5/1/2012	<0.002	<0.002	<0.002		<0.002	<0.002			
5/2/2012				<0.002			<0.002	<0.002	<0.002
11/8/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/7/2013	<0.002	<0.002		<0.002	<0.002	<0.002			
5/8/2013			<0.002				<0.002	<0.002	<0.002
11/4/2013	<0.002	<0.002	<0.002	<0.002				<0.002	<0.002
11/5/2013					<0.002	<0.002	<0.002		
5/23/2014					<0.002	<0.002	<0.002		
5/24/2014	<0.002	<0.002	<0.002	<0.002				<0.002	<0.002
11/7/2014			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
11/8/2014	<0.002	<0.002							<0.002
5/20/2015			<0.002	<0.002					
5/21/2015	<0.002	<0.002			<0.002	<0.002	<0.002		
5/22/2015								<0.002	<0.002
11/12/2015					<0.002	<0.002	<0.002		
11/13/2015	<0.002	<0.002	<0.002	<0.002				<0.002	<0.002
4/6/2016	<0.002								
4/7/2016			<0.002	<0.002		<0.002	<0.002		
4/8/2016		<0.002 (D)			<0.002 (D)				
4/11/2016								<0.002	<0.002
6/14/2016	<0.002	<0.002	<0.002	0.0004 (J)	<0.002		<0.002		
6/15/2016								<0.002	<0.002
6/17/2016						<0.002			
8/9/2016		<0.002	<0.002	<0.002	<0.002		<0.002		
8/10/2016	0.001 (J)					<0.002		<0.002	<0.002
10/10/2016			<0.002	<0.002					
10/11/2016	<0.002	<0.002			<0.002		<0.002	<0.002	<0.002
10/14/2016						<0.002			
12/2/2016	<0.002		<0.002	<0.002			<0.002		<0.002
12/5/2016		<0.002			<0.002			<0.002	
12/19/2016						<0.002			
2/9/2017			<0.002				<0.002		
2/10/2017	<0.002	<0.002		<0.002	<0.002				
2/13/2017						<0.002		<0.002	<0.002
4/7/2017		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
4/10/2017	<0.002							<0.002	
6/22/2017			<0.002		<0.002	<0.002	<0.002		<0.002
6/23/2017	<0.002			<0.002				<0.002	

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		<0.002							
10/9/2017	<0.002	<0.002							
10/10/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/22/2018			<0.002 (D)		<0.002		<0.002		
3/23/2018				<0.002		<0.002			<0.002
3/26/2018	<0.002	<0.002 (D)						<0.002	
10/3/2018	<0.002	<0.002	<0.002			<0.002	<0.002		
10/4/2018				<0.002				<0.002	<0.002
10/5/2018					<0.002				
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
3/28/2019								<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
3/20/2020					<0.002				
9/10/2020	<0.002	<0.002					<0.002	<0.002	<0.002
9/11/2020			<0.002	<0.002	<0.002	<0.002			
4/2/2021	<0.002	<0.002	<0.002						
4/5/2021				<0.002	<0.002	<0.002			
4/6/2021							<0.002	<0.002	<0.002
8/12/2021	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002		
8/13/2021					<0.002			<0.002	<0.002

# Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.002
12/21/2010		<0.002	
12/22/2010	<0.002		
2/14/2011			<0.002
2/15/2011	<0.002	<0.002	
3/21/2011		<0.002	<0.002
3/22/2011	<0.002		
4/27/2011	<0.002		<0.002
4/28/2011		<0.002	
10/26/2011	<0.002	<0.002	<0.002
5/1/2012		<0.002	<0.002
5/2/2012	<0.002		
11/8/2012	<0.002		
11/9/2012		<0.002	<0.002
5/8/2013	<0.002	<0.002	<0.002
11/4/2013	<0.002	<0.002	<0.002
5/24/2014	<0.002	<0.002	<0.002
11/7/2014	<0.002	<0.002	<0.002
5/20/2015			<0.002
5/22/2015	<0.002	<0.002	
11/13/2015	<0.002	<0.002	<0.002
4/8/2016			<0.002 (D)
4/11/2016	<0.002	<0.002	
6/16/2016	<0.002	<0.002	<0.002
8/10/2016	<0.002		
8/11/2016		<0.002	<0.002
10/13/2016	<0.002	<0.002	<0.002
12/5/2016	<0.002	<0.002	
12/6/2016			<0.002
2/13/2017	<0.002	<0.002	<0.002
4/10/2017	<0.002		
4/11/2017		<0.002	<0.002
6/23/2017	<0.002		
6/24/2017		<0.002	<0.002
10/11/2017	<0.002	<0.002	<0.002
3/26/2018	<0.002	<0.002	<0.002
10/4/2018	<0.002	<0.002	<0.002
3/27/2019	<0.002		
3/28/2019		<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002
9/11/2020	<0.002	<0.002	<0.002
4/5/2021	<0.002	<0.002	
4/6/2021			<0.002
8/13/2021	<0.002		<0.002
8/17/2021		<0.002	

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.001	<0.001	<0.001				
12/21/2010						<0.001	<0.001		
12/22/2010	<0.001	<0.001						<0.001	<0.001
2/1/2011				<0.001	<0.001				
2/14/2011	<0.001	<0.001	<0.001			<0.001	<0.001		
2/15/2011								<0.001	<0.001
3/21/2011			<0.001	<0.001			<0.001		
3/22/2011	<0.001	<0.001						<0.001	<0.001
3/23/2011					<0.001	<0.001			
4/26/2011	<0.001	<0.001	<0.001	<0.001			<0.001		
4/27/2011					<0.001	<0.001		<0.001	<0.001
10/25/2011						<0.001			
10/26/2011			<0.001		<0.001		<0.001	<0.001	<0.001
10/27/2011	<0.001	<0.001		<0.001					
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001			
5/2/2012				<0.001			<0.001	<0.001	<0.001
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001			
5/8/2013			<0.001				<0.001	<0.001	<0.001
11/4/2013	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/5/2013					<0.001	<0.001	<0.001		
5/23/2014					<0.001	<0.001	<0.001		
5/24/2014	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/7/2014			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
11/8/2014	<0.001	<0.001							<0.001
5/20/2015			<0.001	<0.001					
5/21/2015	<0.001	<0.001			<0.001	<0.001	<0.001		
5/22/2015								<0.001	<0.001
11/12/2015					<0.001	<0.001	<0.001		
11/13/2015	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
4/6/2016	<0.001								
4/7/2016			<0.001	<0.001		<0.001	<0.001		
4/11/2016								<0.001	<0.001
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
6/15/2016								<0.001	<0.001
6/17/2016						<0.001			
8/9/2016		<0.001	<0.001	<0.001	<0.001		0.00053		
8/10/2016	<0.001					<0.001		<0.001	<0.001
10/10/2016			<0.001	<0.001					
10/11/2016	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001
10/14/2016						<0.001			
12/2/2016	<0.001		<0.001	<0.001			<0.001		<0.001
12/5/2016		<0.001			<0.001			<0.001	
12/19/2016						<0.001			
2/9/2017			<0.001				<0.001		
2/10/2017	<0.001	<0.001		<0.001	<0.001				
2/13/2017						<0.001		<0.001	<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		0.00052
4/10/2017	<0.001							<0.001	
6/22/2017			<0.001		<0.001	<0.001	<0.001		<0.001
6/23/2017	<0.001			<0.001				<0.001	
6/26/2017		<0.001							



# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
10/9/2017	<0.001	<0.001							
10/10/2017			0.0015	<0.001	<0.001	<0.001	<0.001	0.0013	<0.001
3/22/2018			<0.001 (D)		<0.001		<0.001		
3/23/2018				<0.001		<0.001			<0.001
3/26/2018	<0.001	<0.001 (D)						<0.001	
10/3/2018	<0.001	<0.001	<0.001			<0.001	<0.001		
10/4/2018				<0.001				<0.001	<0.001
10/5/2018					<0.001				
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/28/2019								<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
3/20/2020					<0.001				
9/10/2020	<0.001	<0.001					<0.001	<0.001	<0.001
9/11/2020			<0.001	<0.001	<0.001	<0.001			
4/2/2021	<0.001	<0.001	<0.001						
4/5/2021				<0.001	<0.001	0.00031 (J)			
4/6/2021							<0.001	<0.001	<0.001
8/12/2021	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		
8/13/2021					<0.001			<0.001	<0.001

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.001
12/21/2010		<0.001	
12/22/2010	<0.001		
2/14/2011			<0.001
2/15/2011	<0.001	<0.001	
3/21/2011		<0.001	<0.001
3/22/2011	<0.001		
4/27/2011	<0.001		<0.001
4/28/2011		<0.001	
10/26/2011	<0.001	<0.001	<0.001
5/1/2012		<0.001	<0.001
5/2/2012	<0.001		
11/8/2012	<0.001		
11/9/2012		<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001
11/4/2013	<0.001	<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001	<0.001
5/20/2015			<0.001
5/22/2015	<0.001	<0.001	
11/13/2015	<0.001	<0.001	<0.001
4/11/2016	<0.001	<0.001	
6/16/2016	<0.001	<0.001	<0.001
8/10/2016	<0.001		
8/11/2016		<0.001	<0.001
10/13/2016	<0.001	<0.001	<0.001
12/5/2016	<0.001	<0.001	
12/6/2016			<0.001
2/13/2017	<0.001	<0.001	0.0011
4/10/2017	<0.001		
4/11/2017		<0.001	<0.001
6/23/2017	<0.001		
6/24/2017		<0.001	<0.001
10/11/2017	<0.001	<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001
10/4/2018	<0.001	<0.001	<0.001
3/27/2019	<0.001		
3/28/2019		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001
9/11/2020	<0.001	<0.001	<0.001
4/5/2021	<0.001	<0.001	
4/6/2021			<0.001
8/13/2021	<0.001		<0.001
8/17/2021		<0.001	

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			0.024 (J)	0.019 (J)	0.029 (J)				
12/21/2010						0.055 (O)	0.021 (J)		
12/22/2010	0.026 (J)	0.028 (J)						0.016 (J)	0.011 (J)
2/1/2011				0.017 (J)	0.038 (J)				
2/14/2011	0.022 (J)	0.025 (J)	0.023 (J)			0.05 (O)	0.021 (J)		
2/15/2011								0.016 (J)	0.013 (J)
3/21/2011			0.021 (J)	0.019 (J)			0.021 (J)		
3/22/2011	0.02 (J)	0.029 (J)						0.014 (J)	0.01 (J)
3/23/2011					0.045 (J)	0.031 (J)			
4/26/2011	0.019 (J)	0.031 (J)	0.019 (J)	0.02 (J)			0.021 (J)		
4/27/2011					0.043 (J)	0.015 (J)		0.016 (J)	0.011 (J)
10/25/2011						0.02			
10/26/2011			0.023		0.023		0.019	0.015	0.013
10/27/2011	0.021	0.027		0.018					
5/1/2012	0.017	0.022	0.014		0.021	0.017			
5/2/2012				0.017			0.018	0.012	0.0084 (J)
11/8/2012	0.023	0.024	0.034	0.048 (O)	0.038	0.012	0.018	0.015	0.012
5/7/2013	0.021	0.027		0.02	0.042	0.022			
5/8/2013			0.016				0.017	0.014	0.013
11/4/2013	0.018	0.024	0.014	0.019				0.016	0.012
11/5/2013					0.039	0.012	0.019		
5/23/2014					0.088 (O)	0.02	0.021		
5/24/2014	0.022	0.025	0.027	0.019				0.015	0.012
11/7/2014			0.03	0.019	0.027	0.012	0.019	0.016	
11/8/2014	0.02	0.023							0.01
5/20/2015			0.029	0.018					
5/21/2015	0.022	0.023			0.036	0.011	0.02		
5/22/2015								0.015	0.011
11/12/2015					0.038	0.012	0.019		
11/13/2015	0.025	0.023	0.041	0.02				0.016	0.011
4/6/2016	0.0239								
4/7/2016			0.0381	0.0207		0.0116	0.0201		
4/8/2016		0.0244			0.0261				
4/11/2016								0.0167	0.0132
6/14/2016	0.021	0.023	0.034	0.019	0.023		0.017		
6/15/2016								0.015	0.011
6/17/2016						0.012			
8/9/2016		0.026	0.032	0.017	0.026		0.017		
8/10/2016	0.019					0.012		0.015	0.012
10/10/2016			0.037	0.02					
10/11/2016	0.02	0.022			0.03		0.02	0.017	0.012
10/14/2016						0.016			
12/2/2016	0.022		0.038	0.02			0.02		0.012
12/5/2016		0.025			0.026			0.017	
12/19/2016						0.012			
2/9/2017			0.048				0.018		
2/10/2017	0.03	0.026		0.018	0.023				
2/13/2017						0.017		0.016	0.013
4/7/2017		0.021	0.045	0.02	0.024	0.011	0.018		0.01
4/10/2017	0.025							0.015	
6/22/2017			0.049		0.025	0.014	0.02		0.012
6/23/2017	0.026			0.021				0.017	

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		0.028							
10/9/2017	0.025	0.021							
10/10/2017			0.044	0.018	0.022	0.012	0.02	0.016	0.011
3/22/2018			0.0495 (D)		0.024		0.018		
3/23/2018				0.02		0.012			0.011
3/26/2018	0.026	0.022 (D)						0.015	
10/3/2018	0.00049 (O)	0.022	0.042			0.012	0.018		
10/4/2018				0.019				0.018	0.012
10/5/2018					0.026				
3/27/2019	0.024	0.022	0.057	0.021	0.026	0.013	0.019		
3/28/2019								0.017	0.012
9/12/2019	0.025	0.023	0.1 (L)	0.022	0.028	0.016	0.022	0.019	0.013
12/2/2019			0.11 (RL)						
3/19/2020	0.027	0.024	0.11 (L)	0.023		0.02	0.02	0.019	0.013
3/20/2020					0.029				
9/10/2020	0.023	0.022					0.02	0.02	0.013
9/11/2020			0.15 (L)	0.022	0.026	0.013			
4/2/2021	0.02	0.023	0.11 (L)						
4/5/2021				0.022	0.028	0.015			
4/6/2021							0.02	0.018	0.013
8/12/2021	0.023	0.024	0.091	0.023		0.013	0.024		
8/13/2021					0.026			0.021	0.029

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			0.11
12/21/2010		0.01 (J)	
12/22/2010	0.011 (J)		
2/14/2011			<0.01
2/15/2011	0.013 (J)	0.0086 (J)	
3/21/2011		0.009 (J)	<0.01
3/22/2011	0.01 (J)		
4/27/2011	0.011 (J)		0.091 (J)
4/28/2011		0.012 (J)	
10/26/2011	0.0099 (J)	0.0093 (J)	0.1
5/1/2012		0.0048 (J)	0.095
5/2/2012	0.0085 (J)		
11/8/2012	<0.01		
11/9/2012		0.0091 (J)	0.093
5/8/2013	0.0094 (J)	0.0096 (J)	0.077
11/4/2013	0.0094 (J)	0.012	0.083
5/24/2014	0.0094 (J)	0.011	0.07
11/7/2014	0.0094 (J)	0.011	0.065
5/20/2015			0.058
5/22/2015	0.0092 (J)	0.011	
11/13/2015	0.0095 (J)	0.011	0.058
4/8/2016			0.0619
4/11/2016	0.0105	0.012	
6/16/2016	0.0089 (J)	0.011	0.052
8/10/2016	0.0082		
8/11/2016		0.012	0.044
10/13/2016	0.0088	0.012	0.049
12/5/2016	0.01	0.013	
12/6/2016			0.047
2/13/2017	0.0097	0.012	0.05
4/10/2017	0.0082		
4/11/2017		0.012	0.053
6/23/2017	0.01		
6/24/2017		0.013	0.054
10/11/2017	0.0092	0.012	0.05
3/26/2018	0.0094	0.013	0.05
10/4/2018	0.0093	0.013	0.042
3/27/2019	0.011		
3/28/2019		0.014	0.045
9/12/2019	0.011	0.017	0.043
3/19/2020	0.011	0.018	0.047
9/11/2020	0.01	0.017	0.044
4/5/2021	0.01	0.019	
4/6/2021			0.041
8/13/2021	0.019		0.038
8/17/2021		0.02	

# Time Series

Constituent: Beryllium, Total (mg/L)    Analysis Run 9/21/2021 9:03 AM    View: Descriptive

Plant Scherer    Client: Southern Company    Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.0025	<0.0025	<0.0025				
12/21/2010						<0.0025	<0.0025		
12/22/2010	<0.0025	<0.0025						<0.0025	<0.0025
2/1/2011				<0.0025	<0.0025				
2/14/2011	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
2/15/2011								<0.0025	<0.0025
3/21/2011			<0.0025	<0.0025			<0.0025		
3/22/2011	<0.0025	<0.0025						<0.0025	<0.0025
3/23/2011					<0.0025	<0.0025			
4/26/2011	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025		
4/27/2011					<0.0025	<0.0025		<0.0025	<0.0025
10/25/2011						<0.0025			
10/26/2011			<0.0025		<0.0025		<0.0025	<0.0025	<0.0025
10/27/2011	<0.0025	<0.0025		<0.0025					
5/1/2012	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025			
5/2/2012				<0.0025			<0.0025	<0.0025	<0.0025
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
5/8/2013			<0.0025				<0.0025	<0.0025	<0.0025
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/5/2013					<0.0025	<0.0025	<0.0025		
5/23/2014					<0.0025	<0.0025	<0.0025		
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/8/2014	<0.0025	<0.0025							<0.0025
5/20/2015			<0.0025	<0.0025					
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025		
5/22/2015								<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025	<0.0025		
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/6/2016	<0.0025								
4/7/2016			<0.0025	<0.0025		<0.0025	<0.0025		
4/8/2016		<0.0025			<0.0025				
4/11/2016								<0.0025	<0.0025
6/14/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
6/15/2016								<0.0025	<0.0025
6/17/2016						<0.0025			
8/9/2016		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
8/10/2016	<0.0025					<0.0025		<0.0025	<0.0025
10/10/2016			<0.0025	<0.0025					
10/11/2016	<0.0025	<0.0025			<0.0025		<0.0025	<0.0025	<0.0025
10/14/2016						<0.0025			
12/2/2016	<0.0025		<0.0025	<0.0025			<0.0025		<0.0025
12/5/2016		<0.0025			<0.0025			<0.0025	
12/19/2016						<0.0025			
2/9/2017			<0.0025				<0.0025		
2/10/2017	<0.0025	<0.0025		<0.0025	<0.0025				
2/13/2017						<0.0025		<0.0025	<0.0025
4/7/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025							<0.0025	
6/22/2017			<0.0025		<0.0025	<0.0025	<0.0025		<0.0025
6/23/2017	<0.0025			<0.0025				<0.0025	

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		<0.0025							
10/9/2017	<0.0025	<0.0025							
10/10/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			<0.0025 (D)		<0.0025		<0.0025		
3/23/2018				<0.0025		<0.0025			<0.0025
3/26/2018	<0.0025	<0.0025 (D)						<0.0025	
10/3/2018	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
10/4/2018				<0.0025				<0.0025	<0.0025
10/5/2018					<0.0025				
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2019								<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
3/20/2020					<0.0025				
9/10/2020	<0.0025	<0.0025					<0.0025	<0.0025	<0.0025
9/11/2020			<0.0025	<0.0025	<0.0025	<0.0025			
4/2/2021	<0.0025	0.00019 (J)	<0.0025						
4/5/2021				<0.0025	<0.0025	<0.0025			
4/6/2021							<0.0025	<0.0025	<0.0025
8/12/2021	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025		
8/13/2021					<0.0025			<0.0025	<0.0025

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.0025
12/21/2010		<0.0025	
12/22/2010	<0.0025		
2/14/2011			<0.0025
2/15/2011	<0.0025	<0.0025	
3/21/2011		<0.0025	<0.0025
3/22/2011	<0.0025		
4/27/2011	<0.0025		<0.0025
4/28/2011		<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025
5/1/2012		<0.0025	<0.0025
5/2/2012	<0.0025		
11/8/2012	<0.0025		
11/9/2012		<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025
11/4/2013	<0.0025	<0.0025	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025
11/7/2014	<0.0025	<0.0025	<0.0025
5/20/2015			<0.0025
5/22/2015	<0.0025	<0.0025	
11/13/2015	<0.0025	<0.0025	<0.0025
4/8/2016			<0.0025
4/11/2016	<0.0025	<0.0025	
6/16/2016	2E-05 (J)	<0.0025	<0.0025
8/10/2016	<0.0025		
8/11/2016		<0.0025	<0.0025
10/13/2016	<0.0025	<0.0025	<0.0025
12/5/2016	<0.0025	<0.0025	
12/6/2016			<0.0025
2/13/2017	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025		
4/11/2017		<0.0025	<0.0025
6/23/2017	<0.0025		
6/24/2017		<0.0025	<0.0025
10/11/2017	<0.0025	<0.0025	<0.0025
3/26/2018	<0.0025	<0.0025	<0.0025
10/4/2018	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025		
3/28/2019		<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025
9/11/2020	<0.0025	<0.0025	<0.0025
4/5/2021	<0.0025	<0.0025	
4/6/2021			<0.0025
8/13/2021	<0.0025		<0.0025
8/17/2021		<0.0025	



# Time Series

Constituent: Boron (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
4/6/2016	<0.08								
4/7/2016			0.0657 (J)	<0.08		<0.08	<0.08		
4/8/2016		<0.08			<0.08				
4/11/2016								<0.08	<0.08
6/14/2016	0.0012 (J)	<0.08	0.12	<0.08	0.00079 (J)		<0.08		
6/15/2016								0.0021 (J)	<0.08
6/17/2016						<0.08			
8/9/2016		<0.08	0.22	<0.08	<0.08		<0.08		
8/10/2016	<0.08					<0.08		<0.08	<0.08
10/10/2016			0.52	<0.08					
10/11/2016	<0.08	<0.08			<0.08		<0.08	<0.08	<0.08
10/14/2016						<0.08			
12/2/2016	<0.08		0.65	<0.08			<0.08		<0.08
12/5/2016		<0.08			<0.08			<0.08	
12/19/2016						<0.08			
2/9/2017			0.57				<0.08		
2/10/2017	<0.08	<0.08		<0.08	<0.08				
2/13/2017						<0.08		<0.08	<0.08
4/7/2017		<0.08	0.5	<0.08	<0.08	<0.08	<0.08		<0.08
4/10/2017	<0.08							<0.08	
6/22/2017			0.48		<0.08	<0.08	<0.08		<0.08
6/23/2017	<0.08			<0.08				<0.08	
6/26/2017		<0.08							
10/9/2017	<0.08	<0.08							
10/10/2017			0.79	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3/22/2018			0.66		<0.08		<0.08		
3/23/2018				<0.08		<0.08			<0.08
3/26/2018	<0.08	<0.08 (D)						<0.08	
10/3/2018	<0.08	<0.08	0.89			<0.08	<0.08		
10/4/2018				<0.08				<0.08	<0.08
10/5/2018					<0.08				
3/27/2019	<0.08	<0.08	0.74	<0.08	<0.08	<0.08	<0.08		
3/28/2019								<0.08	<0.08
9/12/2019	0.053	<0.08	0.91	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3/19/2020	<0.08	<0.08	0.86	<0.08		<0.08	<0.08	<0.08	<0.08
3/20/2020					<0.08				
9/10/2020	<0.08	<0.08					<0.08	<0.08	<0.08
9/11/2020			1	<0.08	<0.08	<0.08			
4/2/2021	<0.08	<0.08	1.1						
4/5/2021				<0.08	<0.08	0.044 (J)			
4/6/2021							<0.08	<0.08	<0.08
8/12/2021	<0.08	<0.08	1.1	<0.08		<0.08	<0.08	<0.08	<0.08
8/13/2021					<0.08			<0.08	<0.08

# Time Series

Constituent: Boron (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
4/8/2016			0.824
4/11/2016	<0.08	<0.08	
6/16/2016	<0.08	<0.08	0.8 (J)
8/10/2016	<0.08		
8/11/2016		<0.08	0.97
10/13/2016	<0.08	<0.08	0.94
12/5/2016	<0.08	<0.08	
12/6/2016			1
2/13/2017	<0.08	<0.08	0.97
4/10/2017	<0.08		
4/11/2017		<0.08	0.88
6/23/2017	<0.08		
6/24/2017		<0.08	0.87
10/11/2017	<0.08	<0.08	1.1
3/26/2018	<0.08	<0.08	0.91
10/4/2018	<0.08	<0.08	0.92
3/27/2019	<0.08		
3/28/2019		<0.08	0.97
9/12/2019	<0.08	<0.08	0.94
3/19/2020	<0.08	<0.08	1
9/11/2020	<0.08	<0.08	0.97
4/5/2021	<0.08	<0.08	
4/6/2021			0.97
8/13/2021	<0.08		0.94
8/17/2021		<0.08	

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.0025	<0.0025	<0.0025				
12/21/2010						<0.0025	<0.0025		
12/22/2010	<0.0025	<0.0025						<0.0025	<0.0025
2/1/2011				<0.0025	<0.0025				
2/14/2011	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
2/15/2011								<0.0025	<0.0025
3/21/2011			<0.0025	<0.0025			<0.0025		
3/22/2011	<0.0025	<0.0025						<0.0025	<0.0025
3/23/2011					<0.0025	<0.0025			
4/26/2011	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025		
4/27/2011					<0.0025	<0.0025		<0.0025	<0.0025
10/25/2011						<0.0025			
10/26/2011			<0.0025		<0.0025		<0.0025	<0.0025	<0.0025
10/27/2011	<0.0025	<0.0025		<0.0025					
5/1/2012	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025			
5/2/2012				<0.0025			<0.0025	<0.0025	<0.0025
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
5/8/2013			<0.0025				<0.0025	<0.0025	<0.0025
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/5/2013					<0.0025	<0.0025	<0.0025		
5/23/2014					<0.0025	<0.0025	<0.0025		
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/8/2014	<0.0025	<0.0025							<0.0025
5/20/2015			<0.0025	<0.0025					
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025		
5/22/2015								<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025	<0.0025		
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/6/2016	<0.0025								
4/7/2016			<0.0025	<0.0025		<0.0025	<0.0025		
4/8/2016		<0.0025			<0.0025				
4/11/2016								<0.0025	<0.0025
6/14/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
6/15/2016								<0.0025	7.4E-05 (J)
6/17/2016						<0.0025			
8/9/2016		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
8/10/2016	<0.0025					<0.0025		<0.0025	<0.0025
10/10/2016			<0.0025	<0.0025					
10/11/2016	<0.0025	<0.0025			<0.0025		<0.0025	<0.0025	<0.0025
10/14/2016						<0.0025			
12/2/2016	<0.0025		<0.0025	<0.0025			<0.0025		<0.0025
12/5/2016		<0.0025			<0.0025			<0.0025	
12/19/2016						<0.0025			
2/9/2017			<0.0025				<0.0025		
2/10/2017	<0.0025	<0.0025		<0.0025	<0.0025				
2/13/2017						<0.0025		<0.0025	<0.0025
4/7/2017		<0.0025	<0.0025	<0.0025	0.0016	<0.0025	<0.0025		<0.0025
4/10/2017	<0.0025							<0.0025	
6/22/2017			<0.0025		<0.0025	<0.0025	<0.0025		<0.0025
6/23/2017	<0.0025			<0.0025				<0.0025	

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		<0.0025							
10/9/2017	<0.0025	<0.0025							
10/10/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			<0.0025 (D)		<0.0025		<0.0025		
3/23/2018				<0.0025		<0.0025			<0.0025
3/26/2018	<0.0025	<0.0025 (D)						<0.0025	
10/3/2018	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
10/4/2018				<0.0025				<0.0025	<0.0025
10/5/2018					<0.0025				
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2019								<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
3/20/2020					<0.0025				
9/10/2020	<0.0025	<0.0025					<0.0025	<0.0025	<0.0025
9/11/2020			<0.0025	<0.0025	<0.0025	<0.0025			
4/2/2021	<0.0025	<0.0025	<0.0025						
4/5/2021				<0.0025	<0.0025	<0.0025			
4/6/2021							<0.0025	<0.0025	<0.0025
8/12/2021	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025		
8/13/2021					<0.0025			<0.0025	<0.0025

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.0025
12/21/2010		<0.0025	
12/22/2010	<0.0025		
2/14/2011			<0.0025
2/15/2011	<0.0025	<0.0025	
3/21/2011		<0.0025	<0.0025
3/22/2011	<0.0025		
4/27/2011	<0.0025		<0.0025
4/28/2011		<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025
5/1/2012		<0.0025	<0.0025
5/2/2012	<0.0025		
11/8/2012	<0.0025		
11/9/2012		<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025
11/4/2013	<0.0025	<0.0025	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025
11/7/2014	<0.0025	<0.0025	<0.0025
5/20/2015			<0.0025
5/22/2015	<0.0025	<0.0025	
11/13/2015	<0.0025	<0.0025	<0.0025
4/8/2016			<0.0025
4/11/2016	<0.0025	<0.0025	
6/16/2016	<0.0025	<0.0025	<0.0025
8/10/2016	<0.0025		
8/11/2016		<0.0025	<0.0025
10/13/2016	<0.0025	<0.0025	<0.0025
12/5/2016	<0.0025	<0.0025	
12/6/2016			<0.0025
2/13/2017	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025		
4/11/2017		<0.0025	<0.0025
6/23/2017	<0.0025		
6/24/2017		<0.0025	<0.0025
10/11/2017	<0.0025	<0.0025	<0.0025
3/26/2018	<0.0025	<0.0025	<0.0025
10/4/2018	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025		
3/28/2019		<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025
9/11/2020	<0.0025	<0.0025	<0.0025
4/5/2021	<0.0025	<0.0025	
4/6/2021			<0.0025
8/13/2021	<0.0025		<0.0025
8/17/2021		<0.0025	

# Time Series

Constituent: Calcium (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
4/6/2016	9.27								
4/7/2016			38.4	6.57		12.6	15.3		
4/8/2016		8.6			10.7				
4/11/2016								9.7	7.04
6/14/2016	8.2	6.8	32.9	5.5	11.3		14.2		
6/15/2016								9.5	7.4
6/17/2016						12.4			
8/9/2016		6.2	29	4.6	9.6		13		
8/10/2016	6.9					11		8.5	6.7
10/10/2016			33	5.3					
10/11/2016	7.6	6.2			11		14	9.3	6.9
10/14/2016						13			
12/2/2016	7.4		33	5.1			13		6.5
12/5/2016		5.5			10			9	
12/19/2016						11			
2/9/2017			42				14		
2/10/2017	11	7.8		5.8	11				
2/13/2017						13		9.2	7.9
4/7/2017		7.3	35	5.2	10	12	14		6.5
4/10/2017	9.7							9.2	
6/22/2017			38		11	13	14		6.8
6/23/2017	9.2			5.7				9.8	
6/26/2017		6.8							
10/9/2017	9.4	5.8							
10/10/2017			40	5.8	11	13	15	10	7.3
3/22/2018			39 (D)		11		14		
3/23/2018				6.6		13			7.5
3/26/2018	9.3	8.7						11	
10/3/2018	7.8	6.1	41			12	14		
10/4/2018				5.4				10	6.7
10/5/2018					11				
3/27/2019	9.5	7.1	39	6.1	11	13	15		
3/28/2019								11	7.2
9/12/2019	8.8	6.1	36	5.7	12	13	14	12	7.5
3/19/2020	11	9.7	45	6.7		14	15	16	7.9
3/20/2020					12				
9/10/2020	8.2	5.9					14	15	7.5
9/11/2020			30	5.5	11	12			
4/2/2021	9.2	9	29						
4/5/2021				7	13	13			
4/6/2021							16	17	7.7
8/12/2021	7.2	6	26	6.1		12	14		
8/13/2021					11			15	7.2

# Time Series

Constituent: Calcium (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
4/8/2016			17.5
4/11/2016	6.9	12.8	
6/16/2016	7.6	14.3	18.4
8/10/2016	5.7		
8/11/2016		11	13
10/13/2016	6.7	13	15
12/5/2016	6.4	12	
12/6/2016			15
2/13/2017	6.2	13	16
4/10/2017	6.2		
4/11/2017		13	17
6/23/2017	6.6		
6/24/2017		13	17
10/11/2017	6.9	15	19
3/26/2018	7	15	19
10/4/2018	6.4	14	17
3/27/2019	7		
3/28/2019		15	18
9/12/2019	7.1	17	18
3/19/2020	7.1	19	19
9/11/2020	7	18	19
4/5/2021	8	21	
4/6/2021			19
8/13/2021	7		17
8/17/2021		22	

# Time Series

Constituent: Chloride (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
4/6/2016	3.034								
4/7/2016			8.05	2.914		1.842	2.285		
4/8/2016		2.1			1.57				
4/11/2016								1.57 (O)	2.09
6/14/2016	3.1	4.2	9.3	3.1	1.7		2.3		
6/15/2016								3.9	2.1
6/17/2016						1.9			
8/9/2016		5	10	3.2	1.5		2.3		
8/10/2016	2.7					1.8		4	2
10/10/2016			10	3					
10/11/2016	2.7	3.8			1.6		2.1	3.7	1.9
10/14/2016						1.7			
12/2/2016	2.5		10	3			2		1.9
12/5/2016		3.6			1.5			3.6	
12/19/2016						2.7 (O)			
2/9/2017			9.4				2.1		
2/10/2017	3.4	2.2		2.7	1.5				
2/13/2017						1.8		3.4	1.9
4/7/2017		2.2	9.9	2.9	1.4	1.7	2		2
4/10/2017	3.6							3.5	
6/22/2017			9.7		1.4	1.7	2		1.9
6/23/2017	3.2			3.3				3.4	
6/26/2017		3.4							
10/9/2017	3.5	3.4							
10/10/2017			9.8	3.5	1.4	1.6	2	3.3	1.9
3/22/2018			9.7 (D)		1.3		1.9		
3/23/2018				3.6		1.6			1.9
3/26/2018	3.8	1.9 (D)						3.1	
10/3/2018	4	2.9	10			1.6	2		
10/4/2018				3.9				3.1	1.9
10/5/2018					1.4				
3/27/2019	2.9	2	9.6	3.7	1.2	1.5	1.9		
3/28/2019								2.8	1.8
9/12/2019	3.4	2.5	10	4.3	1.4	1.7	1.9	3	1.8
3/19/2020	3.9	2.2	9.9	4.5		1.9	2.2	3.4	2.1
3/20/2020					1.7				
9/10/2020	3.7	2.5					2.1	3.3	2.1
9/11/2020			12	4.7	1.6	1.8			
4/2/2021	3.7	1.8	13						
4/5/2021				5.3	1.8	2			
4/6/2021							2.1	3.3	1.9
8/12/2021	4.1	2.7	13	5.5		1.8	2.2		
8/13/2021					1.8			3.7	2.1



# Time Series

Constituent: Chloride (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
4/8/2016			10.065
4/11/2016	2.09 (O)	<0.25 (O)	
6/16/2016	6.3	7.4	9.4
8/10/2016	6.9		
8/11/2016		8.3	10
10/13/2016	6.5	7.8	9.9
12/5/2016	6.6	8.1	
12/6/2016			10
2/13/2017	6.7	8	10
4/10/2017	6.7		
4/11/2017		7.6	10
6/23/2017	6.6		
6/24/2017		8.3	10
10/11/2017	6.5	7.9	10
3/26/2018	6.6	7.8	11
10/4/2018	6.9	8.1	12
3/27/2019	7		
3/28/2019		7.5	12
9/12/2019	6.8	7.7	11
3/19/2020	7.3	8.2	13
9/11/2020	7.7	7.9	12
4/5/2021	7.8	8.2	
4/6/2021			13
8/13/2021	8		13
8/17/2021		8.3	

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.002	0.0036 (J)	0.0064				
12/21/2010						0.0094	0.0073		
12/22/2010	0.0052	0.0029 (J)						0.0026 (J)	0.0034 (J)
2/1/2011				0.0037 (J)	0.015				
2/14/2011	0.0057	0.0027 (J)	<0.002			0.028	0.0051		
2/15/2011								<0.002	0.0034 (J)
3/21/2011			<0.002	0.004 (J)			0.0067		
3/22/2011	0.0055	0.0049 (J)						<0.002	0.0037 (J)
3/23/2011					0.0084	0.0042 (J)			
4/26/2011	0.0069	0.0048 (J)	<0.002	0.0037 (J)			0.0065		
4/27/2011					0.011	<0.002		<0.002	0.0038 (J)
10/25/2011						0.0062			
10/26/2011			<0.002		0.0061		0.0068	<0.002	0.0039 (J)
10/27/2011	0.011	0.0023 (J)		0.0047 (J)					
5/1/2012	0.0056	0.0051	<0.002		0.0072	0.011			
5/2/2012				0.005 (J)			0.011	<0.002	0.0044 (J)
11/8/2012	<0.002	0.0034 (J)	<0.002	0.0081	0.015	0.0089	0.0052	<0.002	0.0026 (J)
5/7/2013	0.0036 (J)	0.0078		0.0035 (J)	0.044	0.019			
5/8/2013			<0.002				0.0059	<0.002	0.0038 (J)
11/4/2013	0.0032 (J)	0.0055 (J)	<0.002	0.0056 (J)				0.0027 (J)	0.0063 (J)
11/5/2013					0.023	0.0057 (J)	0.0044 (J)		
5/23/2014					0.022	0.0084 (J)	0.0087 (J)		
5/24/2014	0.0043 (J)	0.0075 (J)	<0.002	0.005 (J)				0.0027 (J)	0.0061 (J)
11/7/2014			<0.002	0.004 (J)	0.013	0.011	0.0048 (J)	<0.002	
11/8/2014	<0.002	0.0048 (J)							<0.002
5/20/2015			0.0025 (O)	0.0062 (J)					
5/21/2015	0.002 (J)	0.0082 (J)			0.029	0.013	0.006 (J)		
5/22/2015								0.0034 (J)	0.0037 (J)
11/12/2015					0.045	0.015	0.007 (J)		
11/13/2015	<0.002	0.0079 (J)	0.0042 (O)	0.0067 (J)				0.0038 (J)	0.0055 (J)
4/6/2016	0.00278 (J)								
4/7/2016			<0.002	0.00467 (J)		0.00498 (J)	0.0056 (J)		
4/8/2016		<0.002			<0.002				
4/11/2016								<0.002	0.00479 (J)
6/14/2016	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002		
6/15/2016								<0.002	<0.002
6/17/2016						<0.002			
8/9/2016		0.0079	<0.002	0.0041	0.008		0.0053		
8/10/2016	0.0019 (J)					0.0047		0.0014 (J)	0.0047
10/10/2016			<0.002	0.0041					
10/11/2016	0.0024 (J)	0.0069			0.0079		0.0058	0.0017 (J)	0.0048
10/14/2016						0.0056			
12/2/2016	0.0023 (J)		<0.002	0.0039			0.0071		0.0043
12/5/2016		0.0077			0.0057			0.0014 (J)	
12/19/2016						0.0039			
2/9/2017			<0.002				0.0051		
2/10/2017	0.0021 (J)	0.0098		0.0044	0.0062				
2/13/2017						0.0059		0.0016 (J)	0.0047
4/7/2017		0.0081	<0.002	0.0046	0.0072	0.0051	0.006		0.0044
4/10/2017	0.002 (J)							0.0014 (J)	
6/22/2017			<0.002		0.0074	0.005	0.0056		0.0045
6/23/2017	0.0018 (J)			0.005				0.0014 (J)	

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		0.0084							
10/9/2017	0.0016 (J)	0.0082							
10/10/2017			<0.002	0.0088	0.0072	0.005	0.0073	0.0039	0.005
3/22/2018			<0.002 (D)		0.0074		0.0051		
3/23/2018				0.0045		0.005			0.0042
3/26/2018	0.0011 (J)	0.0088						0.0013 (J)	
10/3/2018	0.0014 (J)	0.0086	<0.002			0.0051	0.0052		
10/4/2018				0.0047				0.0014 (J)	0.005
10/5/2018					0.0083				
3/27/2019	0.003	0.0078	<0.002	0.0048	0.0081	0.0051	0.0056		
3/28/2019								0.0012 (J)	0.0043
9/12/2019	0.0047	0.0092	<0.002	0.0051	0.0088	0.0085	0.0075	0.0021 (J)	0.006
3/19/2020	0.0026	0.011	<0.002	0.0043		0.0063	0.0055	<0.002	0.0047
3/20/2020					0.0085				
9/10/2020	0.0019 (J)	0.0077					0.0063	<0.002	0.0047
9/11/2020			<0.002	0.0042	0.0081	0.0053			
4/2/2021	0.0029	0.01	<0.002						
4/5/2021				0.0041	0.0084	0.0061			
4/6/2021							0.0055	<0.002	0.0044
8/12/2021	0.0016 (J)	0.008	<0.002	0.0045		0.0058	0.0096		
8/13/2021					0.0082			<0.002	0.0089

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.002
12/21/2010		0.01	
12/22/2010	0.0036 (J)		
2/14/2011			<0.002
2/15/2011	0.0038 (J)	0.0087	
3/21/2011		0.0083	<0.002
3/22/2011	0.0022 (J)		
4/27/2011	0.0042 (J)		<0.002
4/28/2011		0.0076	
10/26/2011	0.0042 (J)	0.0078	0.0033 (J)
5/1/2012		0.0049 (J)	0.0025 (J)
5/2/2012	0.0037 (J)		
11/8/2012	<0.002		
11/9/2012		0.0066	<0.002
5/8/2013	0.0032 (J)	0.0082	<0.002
11/4/2013	0.0063 (J)	0.013	0.0035 (J)
5/24/2014	0.003 (J)	0.012	0.0027 (J)
11/7/2014	<0.002	0.0084 (J)	<0.002
5/20/2015			0.0021 (J)
5/22/2015	0.0023 (J)	0.0096 (J)	
11/13/2015	0.0042 (J)	0.011	0.0041 (J)
4/8/2016			<0.002
4/11/2016	0.00309 (J)	0.0101	
6/16/2016	<0.002	<0.002	<0.002
8/10/2016	0.0023 (J)		
8/11/2016		0.0097	0.0013 (J)
10/13/2016	0.0028	0.012	0.0018 (J)
12/5/2016	0.0032	0.012	
12/6/2016			0.0014 (J)
2/13/2017	0.0021 (J)	0.011	0.0021 (J)
4/10/2017	0.0022 (J)		
4/11/2017		0.011	0.0012 (J)
6/23/2017	0.0025		
6/24/2017		0.0095	0.0017 (J)
10/11/2017	0.0027	0.0096	0.0013 (J)
3/26/2018	0.0028	0.012	0.0014 (J)
10/4/2018	0.0041	0.016	<0.002
3/27/2019	0.0044		
3/28/2019		0.019	<0.002
9/12/2019	0.0043	0.027	0.002 (J)
3/19/2020	0.0032	0.029	<0.002
9/11/2020	0.0041	0.028	0.0023
4/5/2021	0.0054	0.031	
4/6/2021			<0.002
8/13/2021	0.0087		0.0019 (J)
8/17/2021		0.034	

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			0.012	<0.0025	0.0033 (O)				
12/21/2010						<0.0025	<0.0025		
12/22/2010	<0.0025	0.0038 (O)						<0.0025	<0.0025
2/1/2011				<0.0025	<0.0025				
2/14/2011	<0.0025	<0.0025	0.0093 (J)			<0.0025	<0.0025		
2/15/2011								<0.0025	<0.0025
3/21/2011			0.0076 (J)	<0.0025			<0.0025		
3/22/2011	<0.0025	<0.0025						<0.0025	<0.0025
3/23/2011					<0.0025	<0.0025			
4/26/2011	<0.0025	<0.0025	0.0058 (J)	<0.0025			<0.0025		
4/27/2011					<0.0025	<0.0025		<0.0025	<0.0025
10/25/2011						<0.0025			
10/26/2011			0.005 (J)		<0.0025		<0.0025	<0.0025	<0.0025
10/27/2011	<0.0025	<0.0025		<0.0025					
5/1/2012	<0.0025	<0.0025	0.0032 (J)		<0.0025	0.0039 (O)			
5/2/2012				<0.0025			<0.0025	<0.0025	<0.0025
11/8/2012	<0.0025	<0.0025	0.0034 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
5/8/2013			<0.0025				<0.0025	<0.0025	<0.0025
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/5/2013					<0.0025	<0.0025	<0.0025		
5/23/2014					0.0048 (O)	<0.0025	<0.0025		
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/8/2014	<0.0025	<0.0025							<0.0025
5/20/2015			<0.0025	<0.0025					
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025		
5/22/2015								<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025	<0.0025		
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/6/2016	<0.0025								
4/7/2016			<0.0025	<0.0025		<0.0025	<0.0025		
4/8/2016		<0.0025			<0.0025				
4/11/2016								<0.0025	<0.0025
6/14/2016	6.6E-05 (J)	0.00042 (J)	0.0031 (J)	3.8E-05 (J)	4.2E-05 (J)		<0.0025		
6/15/2016								<0.0025	<0.0025
6/17/2016						0.00017 (J)			
8/9/2016		0.00068 (J)	0.0023 (J)	<0.0025	<0.0025		<0.0025		
8/10/2016	<0.0025					<0.0025		<0.0025	<0.0025
10/10/2016			0.0024 (J)	<0.0025					
10/11/2016	0.00047 (J)	<0.0025			0.00052 (J)		<0.0025	<0.0025	<0.0025
10/14/2016						<0.0025			
12/2/2016	0.0014 (J)		0.0021 (J)	<0.0025			0.0004 (J)		<0.0025
12/5/2016		0.0012 (J)			<0.0025			<0.0025	
12/19/2016						<0.0025			
2/9/2017			0.00096 (J)				<0.0025		
2/10/2017	0.00052 (J)	0.0013 (J)		<0.0025	<0.0025				
2/13/2017						<0.0025		<0.0025	<0.0025
4/7/2017		<0.0025	0.0034	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025							<0.0025	
6/22/2017			0.0029		<0.0025	<0.0025	<0.0025		<0.0025
6/23/2017	<0.0025			<0.0025				<0.0025	

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		0.00073 (J)							
10/9/2017	0.00053 (J)	<0.0025							
10/10/2017			0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			0.0015 (JD)		<0.0025		<0.0025		
3/23/2018				<0.0025		<0.0025			<0.0025
3/26/2018	0.00088 (J)	<0.0025 (D)						<0.0025	
10/3/2018	0.0014 (J)	<0.0025	0.0018 (J)			<0.0025	<0.0025		
10/4/2018				<0.0025				<0.0025	<0.0025
10/5/2018					<0.0025				
3/27/2019	<0.0025	<0.0025	0.00083 (J)	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2019								<0.0025	<0.0025
9/12/2019	0.0004 (J)	<0.0025	0.0018 (J)	9.5E-05 (J)	0.00011 (J)	<0.0025	0.00017 (J)	<0.0025	<0.0025
3/19/2020	0.00015 (J)	<0.0025	0.0005 (J)	0.00025 (J)		0.00029 (J)	<0.0025	<0.0025	<0.0025
3/20/2020					<0.0025				
9/10/2020	0.00019 (J)	0.00014 (J)					0.0002 (J)	<0.0025	<0.0025
9/11/2020			0.0035	<0.0025	<0.0025	<0.0025			
4/2/2021	0.00016 (J)	0.00026 (J)	0.002 (J)						
4/5/2021				<0.0025	0.00017 (J)	0.00019 (J)			
4/6/2021							<0.0025	<0.0025	<0.0025
8/12/2021	0.00028 (J)	0.00015 (J)	0.0024 (J)	<0.0025		<0.0025	0.00072 (J)		
8/13/2021					<0.0025			0.00015 (J)	0.00074 (J)

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			0.0051 (J)
12/21/2010		<0.0025	
12/22/2010	<0.0025		
2/14/2011			0.0038 (J)
2/15/2011	<0.0025	<0.0025	
3/21/2011		<0.0025	0.0037 (J)
3/22/2011	<0.0025		
4/27/2011	<0.0025		<0.0025
4/28/2011		<0.0025	
10/26/2011	<0.0025	<0.0025	0.0046 (J)
5/1/2012		<0.0025	0.0043 (J)
5/2/2012	<0.0025		
11/8/2012	<0.0025		
11/9/2012		<0.0025	0.007 (J)
5/8/2013	<0.0025	<0.0025	0.0047 (J)
11/4/2013	<0.0025	<0.0025	0.0096 (J)
5/24/2014	<0.0025	<0.0025	0.0097 (J)
11/7/2014	<0.0025	<0.0025	0.012
5/20/2015			0.011
5/22/2015	<0.0025	<0.0025	
11/13/2015	<0.0025	<0.0025	0.013
4/8/2016			<0.0025
4/11/2016	<0.0025	<0.0025	
6/16/2016	<0.0025	<0.0025	0.0062 (J)
8/10/2016	<0.0025		
8/11/2016		<0.0025	0.0092
10/13/2016	<0.0025	<0.0025	0.0045
12/5/2016	<0.0025	<0.0025	
12/6/2016			0.0043
2/13/2017	<0.0025	<0.0025	0.011
4/10/2017	<0.0025		
4/11/2017		<0.0025	0.012
6/23/2017	<0.0025		
6/24/2017		<0.0025	0.011
10/11/2017	<0.0025	<0.0025	0.016
3/26/2018	<0.0025	<0.0025	0.0069
10/4/2018	<0.0025	<0.0025	0.016
3/27/2019	<0.0025		
3/28/2019		<0.0025	0.011
9/12/2019	0.00012 (J)	<0.0025	0.011
3/19/2020	<0.0025	<0.0025	0.0083
9/11/2020	<0.0025	<0.0025	0.002 (J)
4/5/2021	0.0002 (J)	<0.0025	
4/6/2021			0.0062
8/13/2021	0.00059 (J)		0.015
8/17/2021		<0.0025	

# Time Series

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			0.0021 (J)	<0.002	0.0065 (J)				
12/21/2010						0.0084 (J)	<0.002		
12/22/2010	<0.002	<0.002						<0.002	<0.002
2/1/2011				<0.002	0.018				
2/14/2011	<0.002	<0.002	<0.002			0.013 (O)	<0.002		
2/15/2011								<0.002	<0.002
3/21/2011			<0.002	<0.002			<0.002		
3/22/2011	<0.002	<0.002						<0.002	<0.002
3/23/2011					0.022	0.0061 (J)			
4/26/2011	<0.002	<0.002	<0.002	<0.002			<0.002		
4/27/2011					0.02	<0.002		<0.002	<0.002
10/25/2011						<0.002			
10/26/2011			<0.002		0.0025 (J)		<0.002	<0.002	<0.002
10/27/2011	<0.002	<0.002		<0.002					
5/1/2012	<0.002	<0.002	<0.002		0.0022 (J)	0.0027 (J)			
5/2/2012				<0.002			<0.002	<0.002	<0.002
11/8/2012	<0.002	<0.002	0.0034 (J)	0.021 (O)	0.015	<0.002	<0.002	<0.002	<0.002
5/7/2013	<0.002	<0.002		<0.002	0.02	0.0039 (J)			
5/8/2013			<0.002				<0.002	<0.002	<0.002
11/4/2013	<0.002	<0.002	<0.002	<0.002				<0.002	<0.002
11/5/2013					0.014	<0.002	<0.002		
5/23/2014					0.06 (O)	0.0029 (J)	<0.002		
5/24/2014	<0.002	<0.002	<0.002	<0.002				<0.002	<0.002
11/7/2014			0.002 (J)	<0.002	0.0032 (J)	<0.002	<0.002	<0.002	
11/8/2014	<0.002	<0.002							<0.002
5/20/2015			0.0024 (J)	<0.002					
5/21/2015	0.0028 (O)	0.003 (J)			0.017 (JV)	0.0031 (J)	<0.002		
5/22/2015								0.0031 (O)	0.0031 (O)
11/12/2015					0.01 (J)	<0.002	<0.002		
11/13/2015	<0.002	0.078 (O)	<0.002	<0.002				<0.002	<0.002
4/6/2016	<0.002								
4/7/2016			<0.002	<0.002		<0.002	<0.002		
4/8/2016		<0.002			<0.002				
4/11/2016								<0.002	<0.002
10/10/2016			<0.002	<0.002					
10/11/2016	<0.002	<0.002			0.0051		<0.002	<0.002	<0.002
10/14/2016						0.0024 (J)			
4/7/2017		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
4/10/2017	<0.002							<0.002	
10/9/2017	<0.002	<0.002							
10/10/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/22/2018			<0.002 (D)		<0.002		<0.002		
3/23/2018				<0.002		<0.002			<0.002
3/26/2018	<0.002	<0.002 (D)						<0.002	
10/3/2018	<0.002	<0.002	<0.002			<0.002	<0.002		
10/4/2018				<0.002				<0.002	<0.002
10/5/2018					<0.002				
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
3/28/2019								<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	0.00083 (J)	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	0.00072 (J)	<0.002		0.0022	<0.002	<0.002	<0.002
3/20/2020					0.0011 (J)				



# Time Series

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
9/10/2020	0.0023	<0.002							
9/11/2020			0.002	<0.002	<0.002	<0.002		<0.002	<0.002
4/2/2021	<0.002	<0.002	<0.002						
4/5/2021				<0.002	0.0019 (J)	0.00093 (J)			
4/6/2021							<0.002	<0.002	<0.002
8/12/2021	0.00066 (J)	<0.002	<0.002	<0.002		<0.002	0.0031		
8/13/2021					<0.002			<0.002	0.0046

# Time Series

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.002
12/21/2010		<0.002	
12/22/2010	<0.002		
2/14/2011			<0.002
2/15/2011	<0.002	<0.002	
3/21/2011		<0.002	<0.002
3/22/2011	<0.002		
4/27/2011	<0.002		<0.002
4/28/2011		<0.002	
10/26/2011	<0.002	<0.002	<0.002
5/1/2012		<0.002	<0.002
5/2/2012	<0.002		
11/8/2012	<0.002		
11/9/2012		<0.002	<0.002
5/8/2013	<0.002	<0.002	<0.002
11/4/2013	<0.002	<0.002	<0.002
5/24/2014	<0.002	<0.002	<0.002
11/7/2014	<0.002	<0.002	<0.002
5/20/2015			<0.002
5/22/2015	<0.002	<0.002	
11/13/2015	<0.002	<0.002	<0.002
4/8/2016			<0.002
4/11/2016	<0.002	<0.002	
10/13/2016	<0.002	<0.002	<0.002
4/10/2017	<0.002		
4/11/2017		<0.002	<0.002
10/11/2017	<0.002	<0.002	<0.002
3/26/2018	<0.002	<0.002	<0.002
10/4/2018	<0.002	<0.002	<0.002
3/27/2019	<0.002		
3/28/2019		<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002
9/11/2020	0.0013 (J)	<0.002	<0.002
4/5/2021	<0.002	<0.002	
4/6/2021			<0.002
8/13/2021	0.0025		<0.002
8/17/2021		<0.002	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
4/6/2016	0.035 (J)								
4/7/2016			0.035 (J)	0.024 (J)		0.044 (J)	0.041 (J)		
4/8/2016		<0.1			<0.1				
4/11/2016								0.033 (J)	0.027 (J)
6/14/2016	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1		
6/15/2016								<0.1	<0.1
6/17/2016						<0.1			
8/9/2016		<0.1	<0.1	<0.1	<0.1		<0.1		
8/10/2016	<0.1					<0.1		<0.1	<0.1
10/10/2016			<0.1	<0.1					
10/11/2016	<0.1	<0.1			<0.1		<0.1	<0.1	<0.1
10/14/2016						<0.1			
12/2/2016	<0.1		<0.1	<0.1			<0.1		<0.1
12/5/2016		<0.1			<0.1			<0.1	
12/19/2016						0.1 (J)			
2/9/2017			<0.1				<0.1		
2/10/2017	<0.1	<0.1		<0.1	<0.1				
2/13/2017						<0.1		<0.1	<0.1
4/7/2017		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
4/10/2017	<0.1							<0.1	
6/22/2017			<0.1		<0.1	<0.1	<0.1		<0.1
6/23/2017	<0.1			<0.1				<0.1	
6/26/2017		<0.1							
10/9/2017	<0.1	<0.1							
10/10/2017			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3/22/2018			<0.1 (D)		<0.1		<0.1		
3/23/2018				<0.1		<0.1			<0.1
3/26/2018	<0.1	<0.1 (D)						<0.1	
10/3/2018	<0.1	<0.1	<0.1			<0.1	<0.1		
10/4/2018				<0.1				<0.1	<0.1
10/5/2018					<0.1				
3/27/2019	0.035 (J)	0.036 (J)	<0.1	0.033 (J)	0.041 (J)	0.04 (J)	0.037 (J)		
3/28/2019								0.033 (J)	0.042 (J)
9/12/2019	0.04 (J)	0.043 (J)	0.026 (J)	<0.1	0.041 (J)	0.044 (J)	0.042 (J)	0.042 (J)	0.028 (J)
3/19/2020	0.059 (J)	0.054 (J)	0.041 (J)	<0.1		0.049 (J)	0.044 (J)	0.042 (J)	0.039 (J)
3/20/2020					<0.1				
9/10/2020	0.044 (J)	0.034 (J)					0.036 (J)	0.04 (J)	<0.1
9/11/2020			<0.1	<0.1	0.034 (J)	0.035 (J)			
4/2/2021	0.028 (J)	0.032 (J)	<0.1						
4/5/2021				0.039 (J)	0.038 (J)	0.031 (J)			
4/6/2021							0.03 (J)	0.031 (J)	<0.1
8/12/2021	0.04 (J)	0.028 (J)	<0.1	0.11		0.052 (J)	0.058 (J)		
8/13/2021					0.09 (J)			0.065 (J)	0.048 (J)

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
4/8/2016			<0.1
4/11/2016	0.027 (J)	<0.1	
6/16/2016	<0.1	<0.1	<0.1
8/10/2016	<0.1		
8/11/2016		<0.1	<0.1
10/13/2016	<0.1	<0.1	<0.1
12/5/2016	<0.1	<0.1	
12/6/2016			<0.1
2/13/2017	<0.1	<0.1	<0.1
4/10/2017	<0.1		
4/11/2017		<0.1	<0.1
6/23/2017	<0.1		
6/24/2017		<0.1	<0.1
10/11/2017	<0.1	<0.1	<0.1
3/26/2018	<0.1	<0.1	<0.1
10/4/2018	<0.1	<0.1	<0.1
3/27/2019	<0.1		
3/28/2019		0.039 (J)	<0.1
9/12/2019	0.028 (J)	0.042 (J)	<0.1
3/19/2020	0.037 (J)	0.053 (J)	<0.1
9/11/2020	0.049 (J)	0.041 (J)	<0.1
4/5/2021	<0.1	0.05 (J)	
4/6/2021			<0.1
8/13/2021	0.043 (J)		0.034 (J)
8/17/2021		0.094 (J)	

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.001	<0.001	<0.001				
12/21/2010						<0.001	<0.001		
12/22/2010	<0.001	<0.001						<0.001	<0.001
2/1/2011				<0.001	0.0027 (J)				
2/14/2011	0.0028 (J)	<0.001	0.0024 (J)			0.0029 (J)	0.0032 (J)		
2/15/2011								0.0021 (J)	0.0028 (J)
3/21/2011			<0.001	<0.001			0.0038 (J)		
3/22/2011	0.0021 (J)	<0.001						0.0027 (J)	0.0022 (J)
3/23/2011					0.0041 (J)	0.0028 (J)			
4/26/2011	0.003 (J)	0.0025 (J)	0.0027 (J)	0.0024 (J)			0.0046 (J)		
4/27/2011					0.0054	0.0038 (J)		0.0024 (J)	0.0033 (J)
10/25/2011						0.0043 (J)			
10/26/2011			0.0026 (J)		<0.001		0.0024 (J)	0.0021 (J)	0.0028 (J)
10/27/2011	0.0028 (J)	0.0033 (J)		0.0025 (J)					
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001			
5/2/2012				<0.001			<0.001	<0.001	<0.001
11/8/2012	<0.001	<0.001	0.0023 (J)	0.003 (J)	0.0022 (J)	<0.001	0.0021 (J)	<0.001	<0.001
5/7/2013	0.0044 (J)	0.0048 (J)		0.0029 (J)	0.0062	0.0064			
5/8/2013			0.0026 (J)				0.006	0.0035 (J)	0.0043 (J)
11/4/2013	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/5/2013					<0.001	<0.001	0.0023 (J)		
5/23/2014					0.0026 (J)	<0.001	<0.001		
5/24/2014	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/7/2014			<0.001	<0.001	0.0022 (J)	0.0026 (J)	<0.001	<0.001	
11/8/2014	<0.001	0.0021 (J)							<0.001
5/20/2015			0.005 (J)	0.0037 (J)					
5/21/2015	0.0032 (J)	0.002 (J)			0.0049 (J)	0.0038 (J)	0.0062 (J)		
5/22/2015								0.0038 (J)	0.0042 (J)
11/12/2015					<0.001	0.0021 (J)	0.0035 (J)		
11/13/2015	<0.001	<0.001	0.0031 (J)	<0.001				<0.001	<0.001
4/6/2016	<0.001								
4/7/2016			<0.001	<0.001		<0.001	<0.001		
4/8/2016		<0.001			<0.001				
4/11/2016								<0.001	<0.001
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
6/15/2016								<0.001	<0.001
6/17/2016						<0.001			
8/9/2016		<0.001	<0.001	<0.001	<0.001		<0.001		
8/10/2016	<0.001					<0.001		<0.001	<0.001
10/10/2016			<0.001	<0.001					
10/11/2016	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001
10/14/2016						<0.001			
12/2/2016	<0.001		<0.001	<0.001			<0.001		<0.001
12/5/2016		<0.001			<0.001			<0.001	
12/19/2016						<0.001			
2/9/2017			<0.001				<0.001		
2/10/2017	<0.001	<0.001		<0.001	<0.001				
2/13/2017						<0.001		<0.001	<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001							<0.001	
6/22/2017			<0.001		<0.001	<0.001	<0.001		<0.001
6/23/2017	<0.001			<0.001				<0.001	

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		<0.001							
10/9/2017	<0.001	<0.001							
10/10/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		0.00096 (J)		<0.001		
3/23/2018				<0.001		<0.001			<0.001
3/26/2018	<0.001	<0.001 (D)						<0.001	
10/3/2018	<0.001	<0.001	<0.001			<0.001	<0.001		
10/4/2018				<0.001				<0.001	<0.001
10/5/2018					<0.001				
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/28/2019								<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	0.00019 (J)	<0.001		0.0002 (J)	<0.001	<0.001	<0.001
3/20/2020					<0.001				
9/10/2020	0.0022	<0.001					<0.001	<0.001	<0.001
9/11/2020			0.0016	<0.001	<0.001	<0.001			
4/2/2021	<0.001	0.00018 (J)	<0.001						
4/5/2021				<0.001	<0.001	<0.001			
4/6/2021							<0.001	<0.001	<0.001
8/12/2021	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		
8/13/2021					<0.001			<0.001	0.00054 (J)

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.001
12/21/2010		<0.001	
12/22/2010	<0.001		
2/14/2011			<0.001
2/15/2011	0.0032 (J)	0.0034 (J)	
3/21/2011		0.004 (J)	<0.001
3/22/2011	0.0024 (J)		
4/27/2011	0.0033 (J)		<0.001
4/28/2011		0.0036 (J)	
10/26/2011	0.0023 (J)	0.0038 (J)	<0.001
5/1/2012		<0.001	<0.001
5/2/2012	<0.001		
11/8/2012	<0.001		
11/9/2012		<0.001	<0.001
5/8/2013	0.0035 (J)	0.0059	<0.001
11/4/2013	<0.001	0.0027 (J)	<0.001
5/24/2014	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001	<0.001
5/20/2015			0.0026 (O)
5/22/2015	0.0035 (J)	0.006 (J)	
11/13/2015	<0.001	0.0024 (J)	<0.001
4/8/2016			<0.001
4/11/2016	<0.001	<0.001	
6/16/2016	<0.001	<0.001	<0.001
8/10/2016	<0.001		
8/11/2016		<0.001	<0.001
10/13/2016	<0.001	<0.001	<0.001
12/5/2016	<0.001	<0.001	
12/6/2016			<0.001
2/13/2017	<0.001	<0.001	<0.001
4/10/2017	<0.001		
4/11/2017		<0.001	<0.001
6/23/2017	<0.001		
6/24/2017		<0.001	<0.001
10/11/2017	0.00041 (J)	<0.001	<0.001
3/26/2018	<0.001	0.0034 (O)	<0.001
10/4/2018	<0.001	<0.001	<0.001
3/27/2019	<0.001		
3/28/2019		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001
9/11/2020	0.0015	<0.001	<0.001
4/5/2021	<0.001	<0.001	
4/6/2021			<0.001
8/13/2021	0.00022 (J)		0.00017 (J)
8/17/2021		<0.001	

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.0002	<0.0002	<0.0002				
12/21/2010						<0.0002	<0.0002		
12/22/2010	<0.0002	<0.0002						<0.0002	<0.0002
2/1/2011				<0.0002	<0.0002				
2/14/2011	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002		
2/15/2011								<0.0002	<0.0002
3/21/2011			<0.0002	<0.0002			<0.0002		
3/22/2011	<0.0002	<0.0002						<0.0002	<0.0002
3/23/2011					<0.0002	<0.0002			
4/26/2011	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002		
4/27/2011					<0.0002	<0.0002		<0.0002	<0.0002
10/25/2011						<0.0002			
10/26/2011			<0.0002		<0.0002		<0.0002	<0.0002	<0.0002
10/27/2011	<0.0002	<0.0002		<0.0002					
5/1/2012	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002			
5/2/2012				<0.0002			<0.0002	<0.0002	<0.0002
11/8/2012	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/7/2013	<0.0002	<0.0002		0.00011 (J)	8.1E-05 (J)	8.4E-05 (J)			
5/8/2013			<0.0002				<0.0002	<0.0002	<0.0002
11/4/2013	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
11/5/2013					<0.0002	<0.0002	<0.0002		
5/23/2014					<0.0002	<0.0002	<0.0002		
5/24/2014	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
11/7/2014			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
11/8/2014	<0.0002	<0.0002							<0.0002
5/20/2015			<0.0002	<0.0002					
5/21/2015	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002		
5/22/2015								<0.0002	<0.0002
11/12/2015					<0.0002	<0.0002	<0.0002		
11/13/2015	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
4/6/2016	<0.0002								
4/7/2016			<0.0002	<0.0002		<0.0002	<0.0002		
4/8/2016		<0.0002			<0.0002				
4/11/2016								<0.0002	<0.0002
6/14/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		
6/15/2016								<0.0002	<0.0002
6/17/2016						<0.0002			
8/9/2016		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		
8/10/2016	<0.0002					<0.0002		<0.0002	<0.0002
10/10/2016			<0.0002	<0.0002					
10/11/2016	<0.0002	<0.0002			<0.0002		<0.0002	<0.0002	<0.0002
10/14/2016						<0.0002			
12/2/2016	<0.0002		<0.0002	<0.0002			<0.0002		<0.0002
12/5/2016		<0.0002			<0.0002			<0.0002	
12/19/2016						<0.0002			
2/9/2017			<0.0002				<0.0002		
2/10/2017	<0.0002	<0.0002		<0.0002	<0.0002				
2/13/2017						<0.0002		<0.0002	<0.0002
4/7/2017		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/10/2017	<0.0002							<0.0002	
6/22/2017			<0.0002		<0.0002	<0.0002	<0.0002		<0.0002
6/23/2017	<0.0002			<0.0002				<0.0002	



# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		<0.0002							
10/9/2017	8.7E-05 (J)	8.7E-05 (J)							
10/10/2017			8.9E-05 (J)	8.8E-05 (J)	9.2E-05 (J)	9.2E-05 (J)	8.8E-05 (J)	9.1E-05 (J)	8.9E-05 (J)
3/22/2018			<0.0002 (D)		<0.0002		<0.0002		
3/23/2018				<0.0002		<0.0002			<0.0002 (X)
3/26/2018	<0.0002 (X)	<0.0002 (D)						<0.0002	
10/3/2018	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)			<0.0002 (X)	<0.0002 (X)		
10/4/2018				<0.0002				<0.0002	<0.0002
10/5/2018					<0.0002				
3/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
3/28/2019								<0.0002	<0.0002
9/12/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/20/2020					<0.0002				
9/10/2020	<0.0002	<0.0002					<0.0002	<0.0002	<0.0002
9/11/2020			<0.0002	<0.0002	<0.0002	<0.0002			
4/2/2021	<0.0002	<0.0002	<0.0002						
4/5/2021				<0.0002	<0.0002	<0.0002			
4/6/2021							<0.0002	<0.0002	<0.0002
8/12/2021	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
8/13/2021					<0.0002			<0.0002	<0.0002

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.0002
12/21/2010		<0.0002	
12/22/2010	<0.0002		
2/14/2011			<0.0002
2/15/2011	<0.0002	<0.0002	
3/21/2011		<0.0002	<0.0002
3/22/2011	<0.0002		
4/27/2011	<0.0002		<0.0002
4/28/2011		<0.0002	
10/26/2011	<0.0002	8.2E-05	<0.0002
5/1/2012		<0.0002	<0.0002
5/2/2012	<0.0002		
11/8/2012	<0.0002		
11/9/2012		<0.0002	<0.0002
5/8/2013	<0.0002	<0.0002	<0.0002
11/4/2013	<0.0002	<0.0002	<0.0002
5/24/2014	<0.0002	<0.0002	<0.0002
11/7/2014	<0.0002	<0.0002	<0.0002
5/20/2015			<0.0002
5/22/2015	<0.0002	<0.0002	
11/13/2015	<0.0002	<0.0002	<0.0002
4/8/2016			<0.0002
4/11/2016	<0.0002	<0.0002	
6/16/2016	<0.0002	<0.0002	<0.0002
8/10/2016	<0.0002		
8/11/2016		<0.0002	<0.0002
10/13/2016	<0.0002	<0.0002	<0.0002
12/5/2016	<0.0002	<0.0002	
12/6/2016			<0.0002
2/13/2017	<0.0002	<0.0002	<0.0002
4/10/2017	<0.0002		
4/11/2017		<0.0002	<0.0002
6/23/2017	<0.0002		
6/24/2017		<0.0002	<0.0002
10/11/2017	<0.0002	<0.0002	<0.0002
3/26/2018	<0.0002	<0.0002	<0.0002 (X)
10/4/2018	<0.0002	<0.0002	<0.0002
3/27/2019	<0.0002		
3/28/2019		<0.0002	<0.0002
9/12/2019	<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002	<0.0002
9/11/2020	<0.0002	<0.0002	<0.0002
4/5/2021	<0.0002	<0.0002	
4/6/2021			<0.0002
8/13/2021	<0.0002		<0.0002
8/17/2021		<0.0002	

# Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.001	<0.001	<0.001				
12/21/2010						0.0052	<0.001		
12/22/2010	<0.001	0.003 (O)						<0.001	<0.001
2/1/2011				<0.001	0.0072				
2/14/2011	<0.001	<0.001	<0.001			0.016	<0.001		
2/15/2011								<0.001	<0.001
3/21/2011			<0.001	<0.001			<0.001		
3/22/2011	<0.001	<0.001						<0.001	<0.001
3/23/2011					<0.001	<0.001			
4/26/2011	<0.001	<0.001	<0.001	<0.001			<0.001		
4/27/2011					<0.001	<0.001		<0.001	<0.001
10/25/2011						<0.001			
10/26/2011			<0.001		<0.001		<0.001	<0.001	<0.001
10/27/2011	<0.001	<0.001		<0.001					
5/1/2012	<0.001	<0.001	<0.001		<0.001	0.0035 (J)			
5/2/2012				<0.001			<0.001	<0.001	<0.001
11/8/2012	<0.001	<0.001	<0.001	0.0035 (O)	0.0066	0.0046 (J)	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	0.022	0.0087			
5/8/2013			<0.001				<0.001	<0.001	<0.001
11/4/2013	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/5/2013					0.0093	0.0036 (J)	<0.001		
5/23/2014					0.0045 (J)	<0.001	<0.001		
5/24/2014	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/7/2014			<0.001	<0.001	0.0049 (J)	0.0064	<0.001	<0.001	
11/8/2014	<0.001	<0.001							<0.001
5/20/2015			<0.001	<0.001					
5/21/2015	<0.001	<0.001			0.012	0.0045 (J)	<0.001		
5/22/2015								0.0032 (J)	<0.001
11/12/2015					0.019	0.0036 (J)	<0.001		
11/13/2015	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
4/6/2016	<0.001								
4/7/2016			<0.001	<0.001		<0.001	<0.001		
4/8/2016		<0.001			<0.001				
4/11/2016								0.00388 (J)	<0.001
10/10/2016			<0.001	<0.001					
10/11/2016	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001
10/14/2016						<0.001			
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
4/10/2017	<0.001							0.0042	
10/9/2017	0.0024 (O)	<0.001							
10/10/2017			<0.001	<0.001	<0.001	<0.001	<0.001	0.0037	<0.001
3/22/2018			<0.001 (D)		<0.001		<0.001		
3/23/2018				<0.001		<0.001			<0.001
3/26/2018	<0.001	<0.001 (D)						0.0037	
10/3/2018	<0.001	<0.001	<0.001			<0.001	<0.001		
10/4/2018				<0.001				0.0037	<0.001
10/5/2018					<0.001				
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/28/2019								0.0038	<0.001
9/12/2019	0.00097 (J)	<0.001	0.00061 (J)	0.0004 (J)	<0.001	<0.001	0.00043 (J)	0.0035	0.0012
3/19/2020	0.00037 (J)	<0.001	0.00074 (J)	<0.001		0.0004 (J)	<0.001	0.0039	0.0015
3/20/2020					<0.001				

# Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
9/10/2020	0.00095 (J)	<0.001							
9/11/2020			0.001	<0.001	<0.001	<0.001			
4/2/2021	0.00046 (J)	0.00049 (J)	0.00077 (J)						
4/5/2021				<0.001	<0.001	0.00034 (J)			
4/6/2021							<0.001	0.0042	0.0019
8/12/2021	0.0011	0.00042 (J)	0.00092 (J)	<0.001		<0.001	0.0019		
8/13/2021					<0.001			0.0037	0.0036

# Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			0.006
12/21/2010		<0.001	
12/22/2010	<0.001		
2/14/2011			0.0067
2/15/2011	<0.001	<0.001	
3/21/2011		<0.001	0.0066
3/22/2011	<0.001		
4/27/2011	<0.001		0.0077
4/28/2011		<0.001	
10/26/2011	<0.001	<0.001	0.0063
5/1/2012		<0.001	0.0068
5/2/2012	<0.001		
11/8/2012	<0.001		
11/9/2012		<0.001	0.0067
5/8/2013	<0.001	<0.001	0.0066
11/4/2013	<0.001	<0.001	0.0072
5/24/2014	<0.001	<0.001	0.0053
11/7/2014	<0.001	<0.001	0.0052
5/20/2015			0.0067
5/22/2015	<0.001	<0.001	
11/13/2015	<0.001	<0.001	0.0063
4/8/2016			<0.001
4/11/2016	<0.001	<0.001	
10/13/2016	<0.001	<0.001	<0.001
4/10/2017	<0.001		
4/11/2017		<0.001	0.0075
10/11/2017	0.0018 (J)	<0.001	0.0072
3/26/2018	0.0021 (J)	<0.001	0.0075
10/4/2018	0.0024 (J)	<0.001	0.0073
3/27/2019	0.0024 (J)		
3/28/2019		<0.001	0.0069
9/12/2019	0.0019	<0.001	0.007
3/19/2020	0.0021	<0.001	0.007
9/11/2020	0.002	<0.001	0.0074
4/5/2021	0.002	<0.001	
4/6/2021			0.0072
8/13/2021	0.0034		0.0073
8/17/2021		<0.001	

# Time Series

Constituent: pH (S.U.) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
11/7/2014			6.26	5.92	6.54	6.91	6.99		
11/8/2014	5.89	5.92							5.94
5/21/2015		5.97							
5/22/2015								5.8	5.79
11/12/2015					6.43	6.81	7		
11/13/2015	5.65	5.8	6.02	5.78				5.87	5.92
4/6/2016	5.9 (D)								
4/7/2016			6.48	6.83	6.45 (D)	6.74	6.85		
4/8/2016		6.12			6.45				
4/11/2016								5.84	5.82
6/14/2016	5.75	5.84	6.05	5.82	6.4		6.83		
6/15/2016								5.82	5.85
6/17/2016						6.78			
8/1/2016				5.78					
8/9/2016		5.75	6.05		6.43		6.77		
8/10/2016	5.75					6.73		5.82	5.85
10/10/2016			6.02	5.78					
10/11/2016	5.8	5.84			6.34		6.83	5.78	5.76
10/14/2016						6.7			
12/2/2016	5.78		5.95	5.71			6.79		5.76
12/5/2016		5.7			6.46	6.71		5.72	
2/9/2017			6.24				6.65		
2/10/2017	5.83	6.17		5.79	6.33				
2/13/2017						6.56		5.81	5.8
4/7/2017		5.99	5.95	5.93	6.38	6.62	6.75		5.75
4/10/2017	5.74							5.75	
6/22/2017			6.02		6.45	6.76	6.85		5.83
6/23/2017				5.77				5.78	
6/26/2017	5.83	5.87							
10/9/2017	5.61	5.52							
10/10/2017			6	5.81	6.44	6.7	6.84	5.82	5.76
3/22/2018			6.2		6.46		7		
3/23/2018				5.89		6.92			5.98
3/26/2018	5.76	6.06						5.91	
10/3/2018	5.78	5.83	6.03			6.81	6.93		
10/4/2018				5.86				5.83	5.85
10/5/2018					6.47				
3/27/2019	5.97	6.04	6.31	5.95	6.52	6.86	6.91		
3/28/2019								5.95	5.71
9/12/2019	5.83	5.87		5.83	6.49	6.78	6.82	5.98	
9/13/2019			5.96						5.78
3/19/2020	5.81	6.14	6.46	5.93	6.39	6.73	6.87	5.97	5.78
3/20/2020					6.39				
9/10/2020	5.83	5.78					6.91	6.09	5.78
9/11/2020			5.98	6.02	6.59	6.76			
4/2/2021	6.06	6.03	5.92						
4/5/2021				5.92	6.59	6.78			
4/6/2021							6.87	6.3	5.76
6/1/2021				5.8	6.46	6.78			
8/12/2021	5.88	5.91	5.92	5.71		6.86	6.86		
8/13/2021					6.33			6.18	5.86

# Time Series

Constituent: pH (S.U.) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
11/7/2014	5.95	6.75	5.67
5/22/2015	5.84	6.65	
5/25/2015	8.36 (o)	7.63 (o)	7.725 (oD)
11/13/2015	5.82	6.77	5.52
4/8/2016			5.63
4/11/2016	5.88	6.64	
6/16/2016	5.85	6.6	5.56
8/10/2016	5.83		
8/11/2016		6.61	5.56
10/13/2016	5.84	6.64	5.61
12/5/2016	5.81	6.63	
12/6/2016			5.48
2/13/2017	5.76	6.59	5.57
4/10/2017	5.78		
4/11/2017		6.53	5.52
6/23/2017	5.82		
6/26/2017		6.6	5.56
10/11/2017	5.83	6.61	5.51
3/26/2018	5.98	6.77	5.78
10/4/2018	5.85	6.67	5.56
3/27/2019	5.94		
3/28/2019		6.71	5.67
9/12/2019	5.86	6.68	
9/13/2019			5.55
3/19/2020	5.9	6.64	5.65
9/11/2020	5.84	6.64	5.69
4/5/2021	5.99	6.68	
4/6/2021			5.67
6/2/2021	5.87	6.6	
8/13/2021	5.92		5.47
8/17/2021		6.63	

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.005	<0.005	<0.005				
12/21/2010						<0.005	<0.005		
12/22/2010	<0.005	<0.005						<0.005	<0.005
2/1/2011				<0.005	<0.005				
2/14/2011	<0.005	<0.005	<0.005			<0.005	<0.005		
2/15/2011								<0.005	<0.005
3/21/2011			<0.005	<0.005			<0.005		
3/22/2011	<0.005	<0.005						<0.005	<0.005
3/23/2011					<0.005	<0.005			
4/26/2011	<0.005	<0.005	<0.005	<0.005			<0.005		
4/27/2011					<0.005	<0.005		<0.005	<0.005
10/25/2011						<0.005			
10/26/2011			<0.005		<0.005		<0.005	<0.005	<0.005
10/27/2011	<0.005	<0.005		<0.005					
5/1/2012	<0.005	<0.005	<0.005		<0.005	<0.005			
5/2/2012				<0.005			<0.005	<0.005	<0.005
11/8/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/7/2013	<0.005	<0.005		<0.005	<0.005	0.0046			
5/8/2013			0.0048				<0.005	<0.005	0.0042
11/4/2013	0.0061 (O)	0.0048	<0.005	<0.005				<0.005	<0.005
11/5/2013					0.0064 (O)	0.0047	<0.005		
5/23/2014					<0.005	<0.005	<0.005		
5/24/2014	<0.005	<0.005	0.0042	<0.005				0.0044	<0.005
11/7/2014			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
11/8/2014	<0.005	<0.005							<0.005
5/20/2015			0.0093 (O)	<0.005					
5/21/2015	0.0072 (O)	0.0041			<0.005	0.0077 (O)	0.0041		
5/22/2015								<0.005	<0.005
11/12/2015					<0.005	<0.005	<0.005		
11/13/2015	<0.005	<0.005	0.0061 (O)	<0.005				<0.005	<0.005
4/6/2016	<0.005								
4/7/2016			<0.005	<0.005		<0.005	<0.005		
4/8/2016		<0.005			<0.005				
4/11/2016								<0.005	<0.005
6/14/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
6/15/2016								<0.005	<0.005
6/17/2016						<0.005			
8/9/2016		<0.005	<0.005	<0.005	<0.005		<0.005		
8/10/2016	<0.005					<0.005		<0.005	<0.005
10/10/2016			<0.005	<0.005					
10/11/2016	<0.005	<0.005			<0.005		<0.005	<0.005	<0.005
10/14/2016						<0.005			
12/2/2016	<0.005		<0.005	<0.005			<0.005		<0.005
12/5/2016		<0.005			<0.005			<0.005	
12/19/2016						<0.005			
2/9/2017			<0.005				<0.005		
2/10/2017	<0.005	0.0032		<0.005	<0.005				
2/13/2017						<0.005		<0.005	<0.005
4/7/2017		<0.005	<0.005	<0.005	<0.005	<0.005	0.00092 (J)		0.0021
4/10/2017	<0.005							<0.005	
6/22/2017			<0.005		0.0021	<0.005	<0.005		<0.005
6/23/2017	<0.005			<0.005				<0.005	



# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		<0.005							
10/9/2017	<0.005	<0.005							
10/10/2017			0.00033 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/22/2018			<0.005 (D)		<0.005		<0.005		
3/23/2018				<0.005		<0.005			<0.005
3/26/2018	<0.005	<0.005 (D)						<0.005	
10/3/2018	<0.005	<0.005	<0.005			<0.005	<0.005		
10/4/2018				<0.005				0.00032 (J)	<0.005
10/5/2018					<0.005				
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
3/28/2019								<0.005	<0.005
9/12/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2020	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
3/20/2020					<0.005				
9/10/2020	<0.005	<0.005					<0.005	<0.005	<0.005
9/11/2020			<0.005	<0.005	<0.005	<0.005			
4/2/2021	<0.005	<0.005	<0.005						
4/5/2021				<0.005	<0.005	<0.005			
4/6/2021							<0.005	<0.005	<0.005
8/12/2021	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005		
8/13/2021					<0.005			<0.005	<0.005

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.005
12/21/2010		<0.005	
12/22/2010	<0.005		
2/14/2011			<0.005
2/15/2011	<0.005	<0.005	
3/21/2011		<0.005	<0.005
3/22/2011	<0.005		
4/27/2011	<0.005		<0.005
4/28/2011		<0.005	
10/26/2011	<0.005	<0.005	<0.005
5/1/2012		<0.005	<0.005
5/2/2012	<0.005		
11/8/2012	<0.005		
11/9/2012		<0.005	<0.005
5/8/2013	<0.005	<0.005	<0.005
11/4/2013	<0.005	0.0049	<0.005
5/24/2014	<0.005	<0.005	<0.005
11/7/2014	<0.005	<0.005	<0.005
5/20/2015			<0.005
5/22/2015	<0.005	0.0067 (O)	
11/13/2015	<0.005	<0.005	<0.005
4/8/2016			<0.005
4/11/2016	<0.005	<0.005	
6/16/2016	<0.005	<0.005	<0.005
8/10/2016	<0.005		
8/11/2016		0.00036 (J)	<0.005
10/13/2016	<0.005	0.00035 (J)	0.00046 (J)
12/5/2016	<0.005	<0.005	
12/6/2016			<0.005
2/13/2017	<0.005	<0.005	0.0025
4/10/2017	<0.005		
4/11/2017		0.0027	0.00089 (J)
6/23/2017	<0.005		
6/24/2017		<0.005	<0.005
10/11/2017	<0.005	<0.005	<0.005
3/26/2018	<0.005	<0.005	<0.005
10/4/2018	<0.005	0.0004 (J)	<0.005
3/27/2019	<0.005		
3/28/2019		<0.005	<0.005
9/12/2019	<0.005	<0.005	<0.005
3/19/2020	<0.005	<0.005	<0.005
9/11/2020	<0.005	<0.005	<0.005
4/5/2021	<0.005	<0.005	
4/6/2021			<0.005
8/13/2021	<0.005		<0.005
8/17/2021		<0.005	

# Time Series

Constituent: Silver, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.001	<0.001	<0.001				
12/21/2010						<0.001	<0.001		
12/22/2010	<0.001	<0.001						<0.001	<0.001
2/1/2011				<0.001	<0.001				
2/14/2011	<0.001	<0.001	<0.001			<0.001	<0.001		
2/15/2011								<0.001	<0.001
3/21/2011			<0.001	<0.001			<0.001		
3/22/2011	<0.001	<0.001						<0.001	<0.001
3/23/2011					<0.001	<0.001			
4/26/2011	<0.001	<0.001	<0.001	<0.001			<0.001		
4/27/2011					<0.001	<0.001		<0.001	<0.001
10/25/2011						<0.001			
10/26/2011			<0.001		<0.001		<0.001	<0.001	<0.001
10/27/2011	<0.001	<0.001		<0.001					
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001			
5/2/2012				<0.001			<0.001	<0.001	<0.001
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001			
5/8/2013			<0.001				<0.001	<0.001	<0.001
11/4/2013	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/5/2013					<0.001	<0.001	<0.001		
5/23/2014					<0.001	<0.001	<0.001		
5/24/2014	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/7/2014			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
11/8/2014	<0.001	<0.001							<0.001
5/20/2015			<0.001	<0.001					
5/21/2015	<0.001	<0.001			<0.001	<0.001	<0.001		
5/22/2015								<0.001	<0.001
11/12/2015					<0.001	<0.001	<0.001		
11/13/2015	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
4/6/2016	<0.001								
4/7/2016			<0.001	<0.001		<0.001	<0.001		
4/8/2016		<0.001			<0.001				
4/11/2016								<0.001	<0.001
10/10/2016			<0.001	<0.001					
10/11/2016	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001
10/14/2016						<0.001			
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
4/10/2017	<0.001							<0.001	
10/9/2017	<0.001	<0.001							
10/10/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001		<0.001		
3/23/2018				<0.001		<0.001			<0.001
3/26/2018	<0.001	<0.001 (D)						<0.001	
10/3/2018	<0.001	<0.001	<0.001			<0.001	<0.001		
10/4/2018				<0.001				<0.001	<0.001
10/5/2018					<0.001				
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/28/2019								<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
3/20/2020					<0.001				

# Time Series

Constituent: Silver, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
9/10/2020	<0.001	<0.001							
9/11/2020			<0.001	<0.001	<0.001	<0.001			
4/2/2021	<0.001	<0.001	<0.001						
4/5/2021				<0.001	<0.001	<0.001			
4/6/2021							<0.001	<0.001	<0.001
8/12/2021	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		
8/13/2021					<0.001			<0.001	<0.001

# Time Series

Constituent: Silver, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.001
12/21/2010		<0.001	
12/22/2010	<0.001		
2/14/2011			<0.001
2/15/2011	<0.001	<0.001	
3/21/2011		<0.001	<0.001
3/22/2011	<0.001		
4/27/2011	<0.001		<0.001
4/28/2011		<0.001	
10/26/2011	<0.001	<0.001	<0.001
5/1/2012		<0.001	<0.001
5/2/2012	<0.001		
11/8/2012	<0.001		
11/9/2012		<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001
11/4/2013	<0.001	<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001	<0.001
5/20/2015			<0.001
5/22/2015	<0.001	<0.001	
11/13/2015	<0.001	<0.001	<0.001
4/8/2016			<0.001
4/11/2016	<0.001	<0.001	
10/13/2016	<0.001	<0.001	<0.001
4/10/2017	<0.001		
4/11/2017		<0.001	<0.001
10/11/2017	<0.001	<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001
10/4/2018	<0.001	<0.001	<0.001
3/27/2019	<0.001		
3/28/2019		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001
9/11/2020	<0.001	<0.001	<0.001
4/5/2021	<0.001	<0.001	
4/6/2021			<0.001
8/13/2021	<0.001		<0.001
8/17/2021		<0.001	

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
4/6/2016	0.813 (J)								
4/7/2016			107.095	0.594 (J)		1.522	0.507 (J)		
4/8/2016		<1			<1				
4/11/2016								2.15	<1
6/14/2016	<1	<1	160	<1	<1		<1		
6/15/2016								<1	<1
6/17/2016						1.1			
8/9/2016		<1	130	<1	<1		<1		
8/10/2016	0.9 (J)					1.1		2.5	<1
10/10/2016			140	<1					
10/11/2016	0.99 (J)	<1			<1		<1	2.7	<1
10/14/2016						0.89 (J)			
12/2/2016	0.99 (J)		150	<1			<1		<1
12/5/2016		<1			<1			2.6	
12/19/2016						1.2			
2/9/2017			150				<1		
2/10/2017	1.4	<1		<1	<1				
2/13/2017						1.4		2.4	<1
4/7/2017		<1	140	<1	<1	1.2	<1		<1
4/10/2017	1.6							2.3	
6/22/2017			160		<1	1.1	<1		<1
6/23/2017	1.8			<1				2.5	
6/26/2017		<1							
10/9/2017	2.5	<1							
10/10/2017			160	<1	<1	0.92 (J)	<1	2.5	<1
3/22/2018			150 (D)		<1		<1		
3/23/2018				<1		1.3			<1
3/26/2018	2.3	<1 (D)						2.4	
10/3/2018	1.9	<1	140			1.2	<1		
10/4/2018				<1				2.8	<1
10/5/2018					<1				
3/27/2019	0.81 (J)	<1	140	0.52 (J)	<1	1.6	0.56 (J)		
3/28/2019								3.2	0.38 (J)
9/12/2019	1.3	0.38 (J)	170	0.61 (J)	0.4 (J)	1.2	0.77 (J)	3.2	<1
3/19/2020	0.92 (J)	<1	150	0.39 (J)		1.5	0.56 (J)	3.2	<1
3/20/2020					0.58 (J)				
9/10/2020	1.3	<1					0.42 (J)	2.7	<1
9/11/2020			170	0.99 (J)	0.39 (J)	1.3			
4/2/2021	0.99 (J)	<1	180						
4/5/2021				<1	<1	1.3			
4/6/2021							<1	2.5	<1
8/12/2021	1.8	<1	180	1		1	<1		
8/13/2021					<1			2.7	<1

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
4/8/2016			135.355
4/11/2016	0.415 (J)	<1	
6/16/2016	<1	10	140
8/10/2016	<1		
8/11/2016		9.8	130
10/13/2016	<1	11	140
12/5/2016	<1	13	
12/6/2016			150
2/13/2017	<1	14	160
4/10/2017	<1		
4/11/2017		12	130
6/23/2017	<1		
6/24/2017		12	160
10/11/2017	<1	13	160
3/26/2018	<1	20	160
10/4/2018	<1	23	170
3/27/2019	2.7		
3/28/2019		29	170
9/12/2019	0.65 (J)	34	170
3/19/2020	0.71 (J)	40	170
9/11/2020	2.6	39	160
4/5/2021	1.7	57	
4/6/2021			160
8/13/2021	1.4		170
8/17/2021		54	

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			0.00026 (J)	<0.001	<0.001				
12/21/2010						<0.001	<0.001		
12/22/2010	<0.001	<0.001						<0.001	<0.001
2/1/2011				<0.001	<0.001				
2/14/2011	<0.001	<0.001	<0.001			<0.001	<0.001		
2/15/2011								<0.001	<0.001
3/21/2011			<0.001	<0.001			<0.001		
3/22/2011	<0.001	<0.001						<0.001	<0.001
3/23/2011					<0.001	<0.001			
4/26/2011	<0.001	<0.001	<0.001	<0.001			<0.001		
4/27/2011					<0.001	<0.001		<0.001	<0.001
10/25/2011						<0.001			
10/26/2011			<0.001		<0.001		<0.001	<0.001	<0.001
10/27/2011	<0.001	<0.001		<0.001					
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001			
5/2/2012				<0.001			<0.001	<0.001	<0.001
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001			
5/8/2013			<0.001				<0.001	<0.001	0.00028
11/4/2013	0.00025 (J)	<0.001	<0.001	<0.001				<0.001	<0.001
11/5/2013					<0.001	<0.001	<0.001		
5/23/2014					<0.001	<0.001	<0.001		
5/24/2014	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
11/7/2014			0.00032	<0.001	<0.001	<0.001	<0.001	<0.001	
11/8/2014	0.00048	0.00086							<0.001
5/20/2015			<0.001	<0.001					
5/21/2015	<0.001	<0.001			<0.001	<0.001	<0.001		
5/22/2015								<0.001	<0.001
11/12/2015					<0.001	<0.001	<0.001		
11/13/2015	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
4/6/2016	<0.001								
4/7/2016			<0.001	<0.001		<0.001	<0.001		
4/8/2016		<0.001			<0.001				
4/11/2016								<0.001	<0.001
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
6/15/2016								<0.001	<0.001
6/17/2016						<0.001			
8/9/2016		<0.001	<0.001	<0.001	<0.001		<0.001		
8/10/2016	<0.001					<0.001		<0.001	<0.001
10/10/2016			<0.001	<0.001					
10/11/2016	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001
10/14/2016						<0.001			
12/2/2016	<0.001		<0.001	<0.001			<0.001		<0.001
12/5/2016		<0.001			<0.001			<0.001	
12/19/2016						<0.001			
2/9/2017			<0.001				<0.001		
2/10/2017	<0.001	<0.001		<0.001	<0.001				
2/13/2017						<0.001		<0.001	<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
4/10/2017	<0.001							<0.001	
6/22/2017			<0.001		<0.001	<0.001	<0.001		<0.001
6/23/2017	<0.001			<0.001				<0.001	



# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
6/26/2017		<0.001							
10/9/2017	<0.001	<0.001							
10/10/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001		<0.001		
3/23/2018				<0.001		<0.001			<0.001
3/26/2018	<0.001	<0.001 (D)						<0.001	
10/3/2018	<0.001	<0.001	<0.001			<0.001	<0.001		
10/4/2018				<0.001				<0.001	<0.001
10/5/2018					<0.001				
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/28/2019								<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	0.00036 (J)	<0.001		0.00018 (J)	<0.001	<0.001	<0.001
3/20/2020					<0.001				
9/10/2020	<0.001	<0.001					<0.001	<0.001	<0.001
9/11/2020			<0.001	<0.001	<0.001	<0.001			
4/2/2021	0.00016 (J)	0.00036 (J)	<0.001						
4/5/2021				<0.001	<0.001	0.00043 (J)			
4/6/2021							<0.001	<0.001	<0.001
8/12/2021	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		
8/13/2021					<0.001			<0.001	<0.001

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.001
12/21/2010		<0.001	
12/22/2010	<0.001		
2/14/2011			<0.001
2/15/2011	<0.001	<0.001	
3/21/2011		<0.001	<0.001
3/22/2011	<0.001		
4/27/2011	<0.001		<0.001
4/28/2011		<0.001	
10/26/2011	<0.001	<0.001	<0.001
5/1/2012		<0.001	<0.001
5/2/2012	<0.001		
11/8/2012	<0.001		
11/9/2012		<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001
11/4/2013	<0.001	<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001	<0.001
5/20/2015			<0.001
5/22/2015	<0.001	<0.001	
11/13/2015	<0.001	<0.001	<0.001
4/8/2016			<0.001
4/11/2016	<0.001	<0.001	
6/16/2016	<0.001	<0.001	<0.001
8/10/2016	<0.001		
8/11/2016		<0.001	<0.001
10/13/2016	<0.001	<0.001	<0.001
12/5/2016	<0.001	<0.001	
12/6/2016			<0.001
2/13/2017	<0.001	<0.001	<0.001
4/10/2017	<0.001		
4/11/2017		<0.001	<0.001
6/23/2017	<0.001		
6/24/2017		<0.001	<0.001
10/11/2017	<0.001	<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001
10/4/2018	<0.001	<0.001	<0.001
3/27/2019	<0.001		
3/28/2019		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001
9/11/2020	<0.001	<0.001	<0.001
4/5/2021	0.00022 (J)	<0.001	
4/6/2021			<0.001
8/13/2021	<0.001		<0.001
8/17/2021		<0.001	

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
4/6/2016	51								
4/7/2016			237	69		100	114		
4/8/2016		74			89				
4/11/2016								88	79
6/14/2016	62	111	240	<25	55		56 (O)		
6/15/2016								114	79
6/17/2016						69			
8/9/2016		44	230	40	90		100		
8/10/2016	70					110		82	72
10/10/2016			240	34					
10/11/2016	84	64			86		110	92	76
10/14/2016						100			
12/2/2016	74		270	50			94		60
12/5/2016		52			74			86	
12/19/2016						100			
2/9/2017			240				100		
2/10/2017	100	86		60	100				
2/13/2017						80		62	58
4/7/2017		68	260	70	92	86	100		68
4/10/2017	82							60	
6/22/2017			300		64	72	110		16
6/23/2017	72			42				74	
6/26/2017		76							
10/9/2017	82	50							
10/10/2017			280	34	68	70	100	86	44
3/22/2018			310		92		100		
3/23/2018				52		86			96
3/26/2018	94	56						58 (J)	
10/3/2018	72	42	190			88	96		
10/4/2018				48				130	110
10/5/2018					90				
3/27/2019	98	76	290	66	94	100	120		
3/28/2019								88	65
9/12/2019	130	72	340	97	88	110	120	110	89
3/19/2020	100	65	310	51		97	110	110	64
3/20/2020					99				
9/10/2020	110	56					130	120	82
9/11/2020			340	51	110	120			
4/2/2021	100	69	360						
4/5/2021				46	63	99			
4/6/2021							110	110	49
8/12/2021	98	68	330	55		100	120		
8/13/2021					110			120	72

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-52	GWC-53
4/8/2016			237
4/11/2016	88	103	
6/16/2016	74	117	231
8/10/2016	66		
8/11/2016		94	190
10/13/2016	72	110	230
12/5/2016	70	130	
12/6/2016			260
2/13/2017	12 (O)	92	230
4/10/2017	80		
4/11/2017		120	210
6/23/2017	66		
6/24/2017		120	250
10/11/2017	56	120	280
3/26/2018	72	98	240
10/4/2018	96	190	320
3/27/2019	76		
3/28/2019		140	280
9/12/2019	110	160	300
3/19/2020	66	160	270
9/11/2020	87	170	290
4/5/2021	66	170	
4/6/2021			250
8/13/2021	92		290
8/17/2021		180	

# Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.001	0.0024 (J)	0.0051 (J)				
12/21/2010						0.0091 (J)	0.016		
12/22/2010	<0.001	<0.001						0.0037 (J)	<0.001
2/1/2011				0.0021 (J)	0.012				
2/14/2011	<0.001	<0.001	<0.001			0.013	0.016		
2/15/2011								0.0043 (J)	<0.001
3/21/2011			<0.001	0.0025 (J)			0.018		
3/22/2011	0.0028 (J)	0.0032 (J)						0.0039 (J)	0.0034 (J)
3/23/2011					0.015	<0.001			
4/26/2011	0.0025 (J)	<0.001	0.0022 (J)	0.0033 (J)			0.018		
4/27/2011					0.022	0.0078 (J)		0.0035 (J)	0.0032 (J)
10/25/2011						0.012 (O)			
10/26/2011			<0.001		0.0043 (J)		0.018	0.0047 (J)	<0.001
10/27/2011	<0.001	<0.001		<0.001					
5/1/2012	<0.001	0.0037 (J)	0.0036 (J)		0.0069 (J)	0.019			
5/2/2012				0.0051 (J)			0.021	0.0064 (J)	0.0039 (J)
11/8/2012	<0.001	<0.001	0.0062 (O)	0.02 (O)	0.013	0.015	0.019	0.0051 (J)	0.0034 (J)
5/7/2013	<0.001	0.0041 (J)		0.0036 (J)	0.017	0.017			
5/8/2013			<0.001				0.02	0.0046 (J)	<0.001
11/4/2013	<0.001	<0.001	<0.001	0.0043 (J)				0.0039 (J)	0.0035 (J)
11/5/2013					0.013	0.015	0.018		
5/23/2014					0.041	0.017	0.018		
5/24/2014	<0.001	<0.001	<0.001	0.0033 (J)				0.0053 (J)	0.0036 (J)
11/7/2014			<0.001	<0.001	0.0069 (J)	0.013	0.018	0.0034 (J)	
11/8/2014	<0.001	<0.001							<0.001
5/20/2015			<0.001	0.0062 (J)					
5/21/2015	<0.001	0.0052 (J)			0.016	0.016	0.02		
5/22/2015								0.0068 (J)	0.0044 (J)
11/12/2015					0.013	0.018	0.016		
11/13/2015	<0.001	<0.001	<0.001	0.0046 (J)				0.0044 (J)	<0.001
4/6/2016	0.00201 (J)								
4/7/2016			<0.001	0.00293 (J)		0.016	0.0182		
4/8/2016		<0.001 (D)			<0.001 (D)				
4/11/2016								0.00381 (J)	0.00254 (J)
10/10/2016			<0.001	0.0031					
10/11/2016	<0.001	<0.001			0.011		0.023	<0.001	<0.001
10/14/2016						0.018			
4/7/2017		0.0033	<0.001	0.0041	0.0073	0.017	0.02		0.0024 (J)
4/10/2017	0.002 (J)							0.0038	
10/9/2017	<0.001	<0.001							
10/10/2017			0.0014 (J)	<0.001	0.0032	0.015	0.016	0.0053	<0.001
3/22/2018			<0.001 (D)		0.0068		0.018		
3/23/2018				0.0032		0.016			0.0023 (J)
3/26/2018	0.0014 (J)	0.0029						0.0037	
10/3/2018	0.0023 (J)	0.0022 (J)	<0.001			0.017	0.018		
10/4/2018				<0.001 (X)				<0.001 (X)	<0.001 (X)
10/5/2018					<0.001 (X)				
3/27/2019	0.0072 (O)	0.0071 (O)	0.0023 (J)	0.0072	0.012	0.022	0.021		
3/28/2019								0.0079	0.0053
9/12/2019	0.0031	0.0025	0.0017	0.0033	0.0075	0.019	0.02	0.0054	0.0028
3/19/2020	0.003	0.0052	0.0031	0.0033		0.019	0.02	0.0044	0.0027
3/20/2020					0.0086				

# Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
9/10/2020	0.0027	0.0025					0.018	0.0049	0.0026
9/11/2020			0.0015	0.0026	0.007	0.017			
4/2/2021	0.0029	0.0045	0.0014						
4/5/2021				0.003	0.0085	0.019			
4/6/2021							0.021	0.0045	0.0026
8/12/2021	0.004	0.0028	0.0017	0.0031		0.019	0.02		
8/13/2021					0.0078			0.0061	0.0093

# Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			<0.001
12/21/2010		<0.001	
12/22/2010	0.0027 (J)		
2/14/2011			<0.001
2/15/2011	0.0036 (J)	0.0098 (J)	
3/21/2011		0.012	<0.001
3/22/2011	<0.001		
4/27/2011	0.0046 (J)		<0.001
4/28/2011		0.011	
10/26/2011	<0.001	0.012	<0.001
5/1/2012		0.011	0.0032 (J)
5/2/2012	0.0055 (J)		
11/8/2012	0.0042 (J)		
11/9/2012		0.011	<0.001
5/8/2013	0.0046 (J)	<0.001	<0.001
11/4/2013	0.0042 (J)	0.011	<0.001
5/24/2014	0.0061 (J)	0.012	<0.001
11/7/2014	0.0032 (J)	0.01	<0.001
5/20/2015			0.0065
5/22/2015	0.0056 (J)	0.013	
11/13/2015	<0.001	0.014	<0.001
4/8/2016			0.0136 (O)
4/11/2016	0.00415 (J)	0.0107	
10/13/2016	<0.001	0.011	<0.001
4/10/2017	0.0043		
4/11/2017		0.011	<0.001
10/11/2017	0.0052	0.012	0.0019 (J)
3/26/2018	0.004	0.0096	<0.001
10/4/2018	<0.001 (X)	0.013	<0.001 (X)
3/27/2019	0.0087		
3/28/2019		0.01	0.0041
9/12/2019	0.0047	0.011	<0.001
3/19/2020	0.0046	0.01	<0.001
9/11/2020	0.0042	0.0099	<0.001
4/5/2021	0.0059	0.011	
4/6/2021			<0.001
8/13/2021	0.0072		0.0016
8/17/2021		0.011	

# Time Series

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
12/20/2010			<0.005	<0.005	<0.005				
12/21/2010						<0.005	<0.005		
12/22/2010	<0.005	<0.005						<0.005	<0.005
2/1/2011				<0.005	<0.005				
2/14/2011	<0.005	<0.005	<0.005			<0.005	<0.005		
2/15/2011								<0.005	<0.005
3/21/2011			<0.005	<0.005			<0.005		
3/22/2011	<0.005	<0.005						<0.005	<0.005
3/23/2011					<0.005	<0.005			
4/26/2011	<0.005	<0.005	<0.005	<0.005			<0.005		
4/27/2011					<0.005	<0.005		<0.005	<0.005
10/25/2011						<0.005			
10/26/2011			<0.005		<0.005		<0.005	<0.005	<0.005
10/27/2011	<0.005	<0.005		<0.005					
5/1/2012	<0.005	<0.005	<0.005		<0.005	<0.005			
5/2/2012				<0.005			<0.005	<0.005	<0.005
11/8/2012	<0.005	<0.005	<0.005	0.013 (O)	<0.005	<0.005	<0.005	<0.005	<0.005
5/7/2013	<0.005	<0.005		<0.005	0.0087	<0.005			
5/8/2013			<0.005				<0.005	<0.005	<0.005
11/4/2013	<0.005	<0.005	<0.005	<0.005				<0.005	<0.005
11/5/2013					<0.005	<0.005	<0.005		
5/23/2014					0.014 (O)	<0.005	<0.005		
5/24/2014	<0.005	<0.005	<0.005	<0.005				<0.005	<0.005
11/7/2014			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
11/8/2014	<0.005	<0.005							<0.005
5/20/2015			<0.005	<0.005					
5/21/2015	<0.005	<0.005			<0.005	<0.005	<0.005		
5/22/2015								<0.005	<0.005
11/12/2015					<0.005	<0.005	<0.005		
11/13/2015	<0.005	0.039 (O)	<0.005	<0.005				<0.005	<0.005
4/6/2016	<0.005								
4/7/2016			0.00345 (J)	0.00265 (J)		0.00287 (J)	0.00208 (J)		
4/11/2016								<0.005	<0.005
10/10/2016			<0.005	<0.005					
10/11/2016	<0.005	<0.005			<0.005		<0.005	<0.005	<0.005
10/14/2016						<0.005			
4/7/2017		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
4/10/2017	<0.005							<0.005	
10/9/2017	<0.005	<0.005							
10/10/2017			<0.005	0.0096 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
3/22/2018			<0.005 (D)		<0.005		<0.005		
3/23/2018				<0.005		<0.005			<0.005
3/26/2018	<0.005	<0.005 (D)						<0.005	
10/3/2018	<0.005	<0.005	<0.005			<0.005	<0.005		
10/4/2018				<0.005				<0.005	0.0076
10/5/2018					<0.005				
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
3/28/2019								<0.005	<0.005
9/12/2019	0.0046 (J)	0.0085	0.0095	0.0091	0.0049 (J)	0.0048 (J)	0.0041 (J)	0.0058	0.0057
3/19/2020	<0.005	<0.005	0.0037 (J)	0.0035 (J)		<0.005	<0.005	<0.005	0.0037 (J)
3/20/2020					<0.005				
9/10/2020	0.0048 (J)	<0.005					<0.005	<0.005	<0.005



# Time Series

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-29	GWC-50
9/11/2020			0.0098	0.0038 (J)	<0.005	<0.005			
4/2/2021	<0.005	<0.005	0.0058						
4/5/2021				0.0049 (J)	<0.005	<0.005			
4/6/2021							<0.005	<0.005	<0.005
8/12/2021	<0.005	<0.005	0.006	<0.005		<0.005	<0.005		
8/13/2021					<0.005			<0.005	0.0053

# Time Series

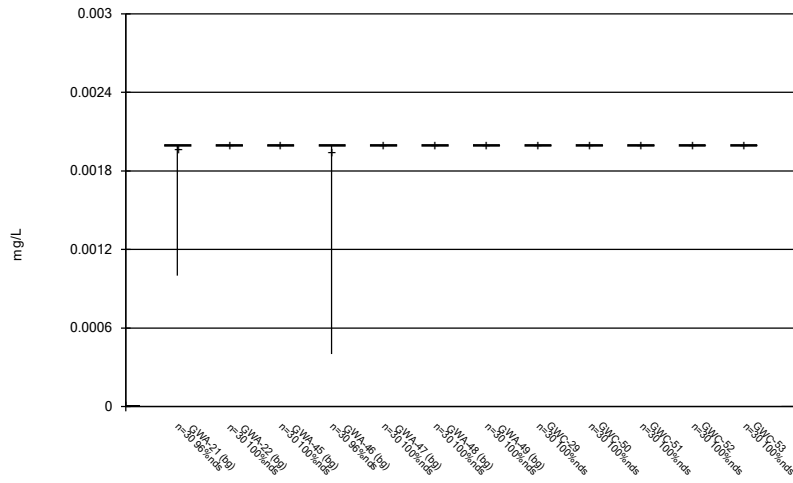
Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:03 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-52	GWC-53
12/20/2010			0.0095 (J)
12/21/2010		<0.005	
12/22/2010	<0.005		
2/14/2011			0.0092 (J)
2/15/2011	<0.005	<0.005	
3/21/2011		<0.005	0.011 (J)
3/22/2011	<0.005		
4/27/2011	<0.005		0.0096 (J)
4/28/2011		<0.005	
10/26/2011	<0.005	<0.005	0.011 (J)
5/1/2012		<0.005	0.012 (J)
5/2/2012	<0.005		
11/8/2012	<0.005		
11/9/2012		<0.005	0.014 (J)
5/8/2013	<0.005	<0.005	0.016 (J)
11/4/2013	<0.005	<0.005	0.014 (J)
5/24/2014	<0.005	<0.005	0.013 (J)
11/7/2014	<0.005	<0.005	0.014 (J)
5/20/2015			0.015 (J)
5/22/2015	<0.005	<0.005	
11/13/2015	<0.005	<0.005	0.015 (J)
4/11/2016	0.00333 (J)	<0.005	
10/13/2016	<0.005	<0.005	0.015 (J)
4/10/2017	<0.005		
4/11/2017		0.0065 (J)	0.015 (J)
10/11/2017	<0.005	<0.005	0.019 (J)
3/26/2018	<0.005	<0.005	0.016 (J)
10/4/2018	<0.005	<0.005	0.017 (J)
3/27/2019	<0.005		
3/28/2019		<0.005	0.013 (J)
9/12/2019	0.0042 (J)	0.0073	0.02
3/19/2020	<0.005	<0.005	0.014
9/11/2020	<0.005	<0.005	0.014
4/5/2021	<0.005	<0.005	
4/6/2021			0.014
8/13/2021	<0.005		0.017
8/17/2021		<0.005	

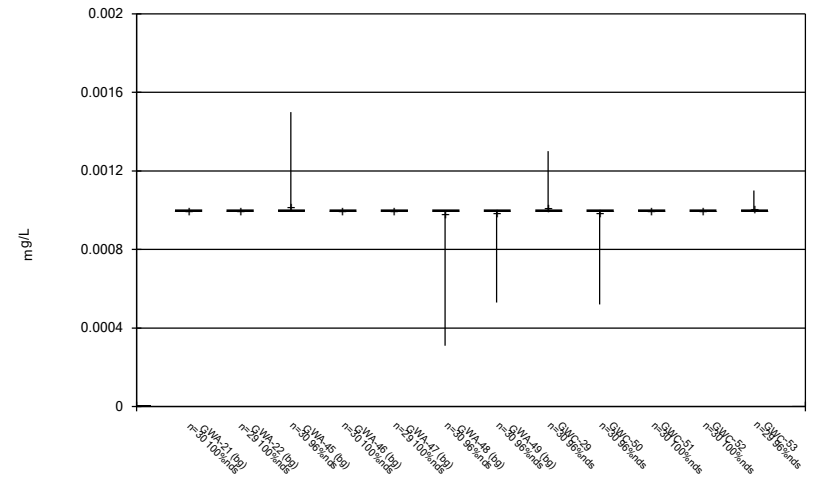
FIGURE B.

Box & Whiskers Plot



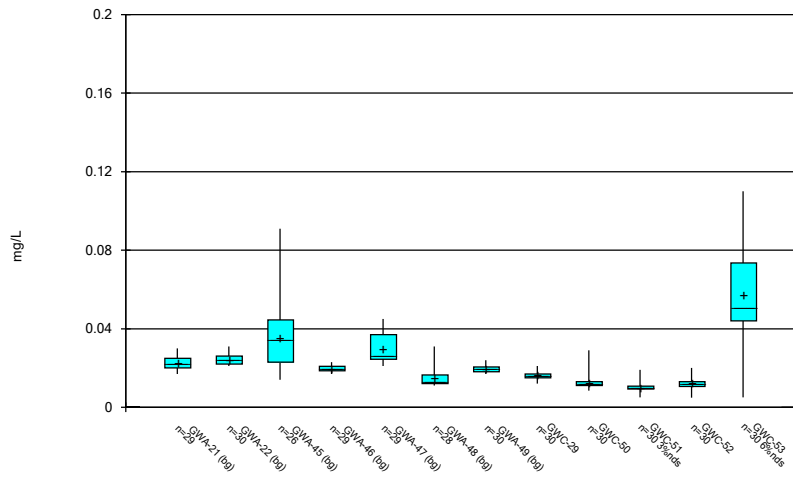
Constituent: Antimony, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



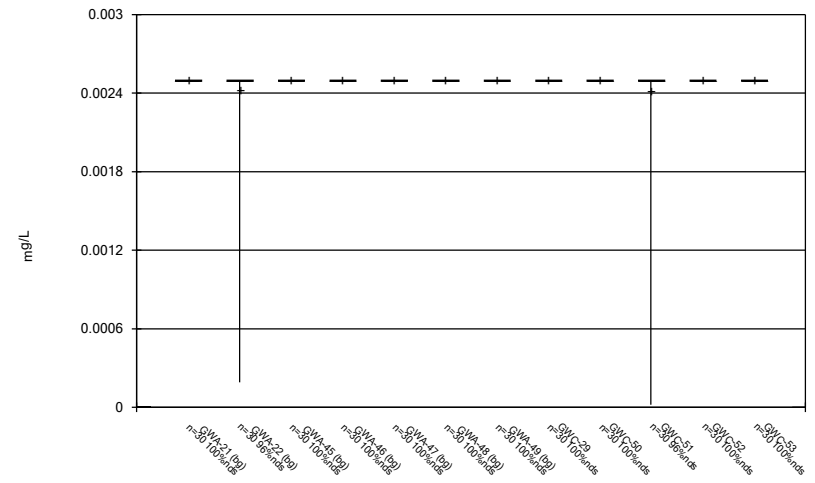
Constituent: Arsenic, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



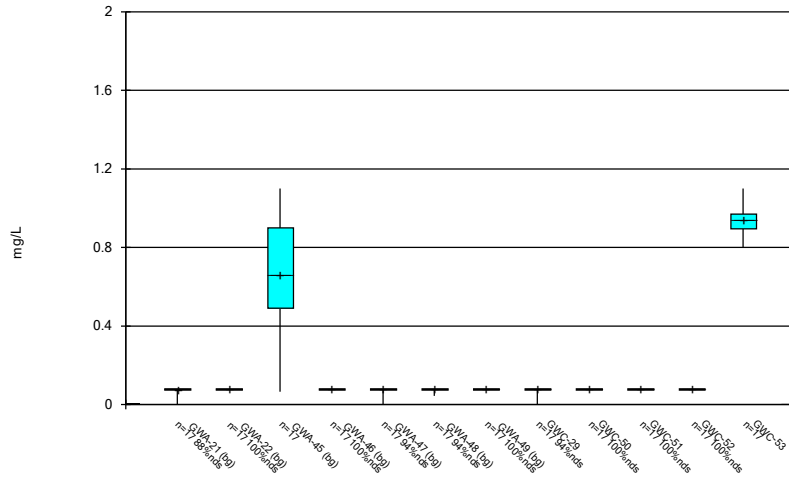
Constituent: Barium, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



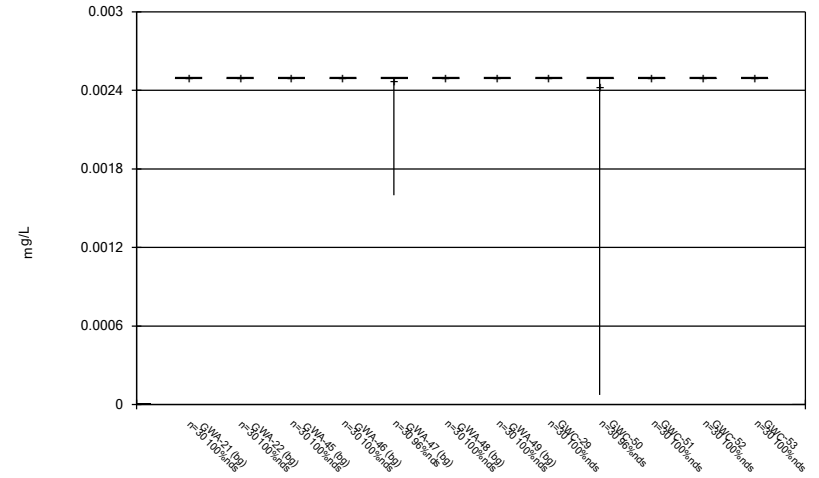
Constituent: Beryllium, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



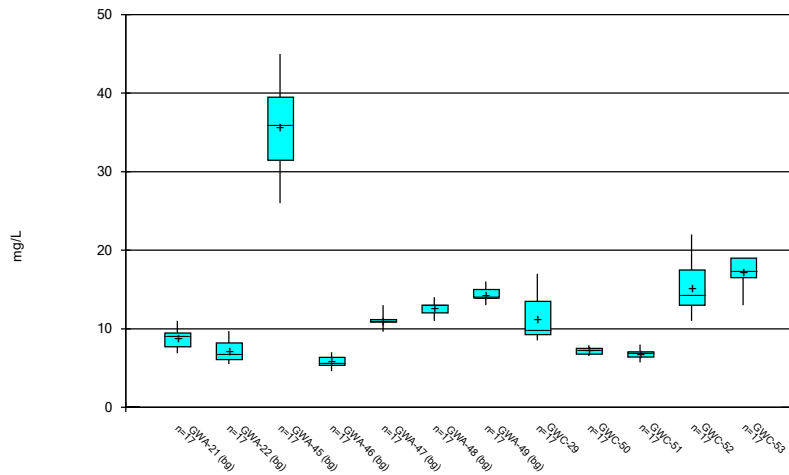
Constituent: Boron Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



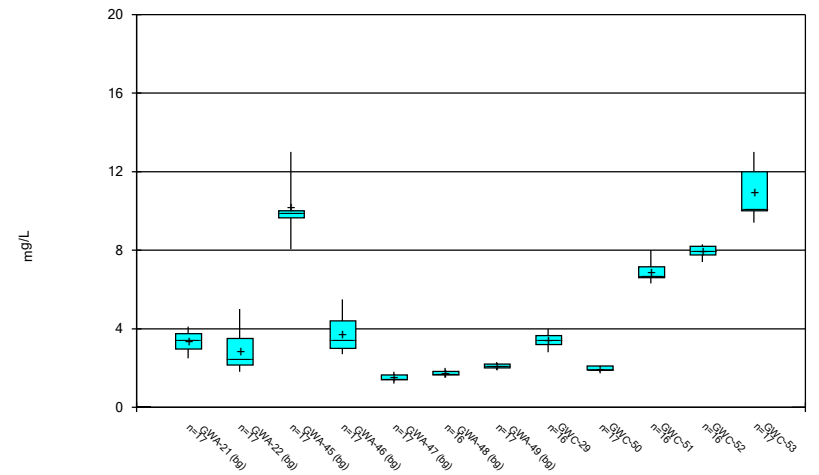
Constituent: Cadmium, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



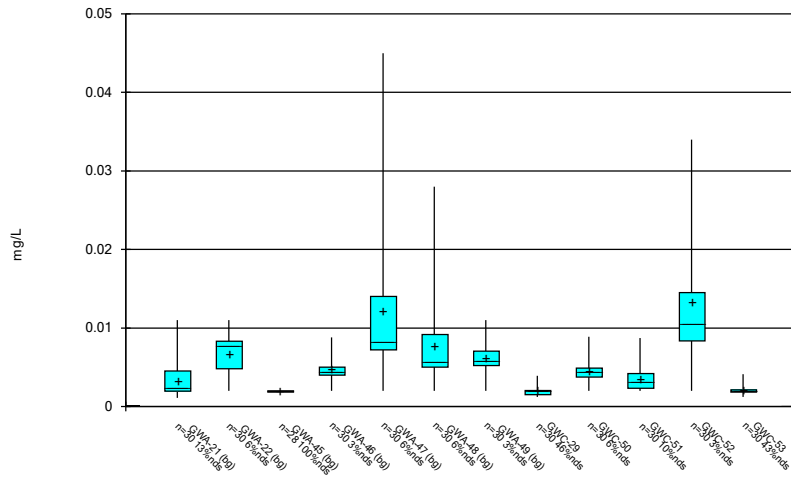
Constituent: Calcium Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



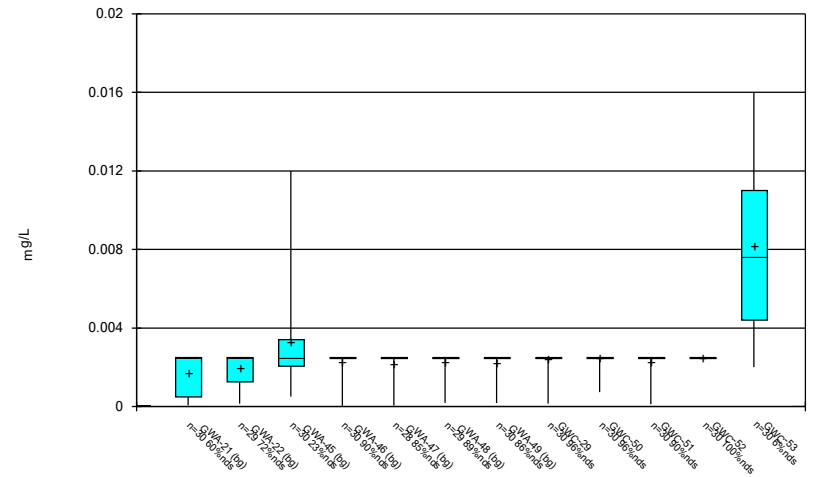
Constituent: Chloride Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



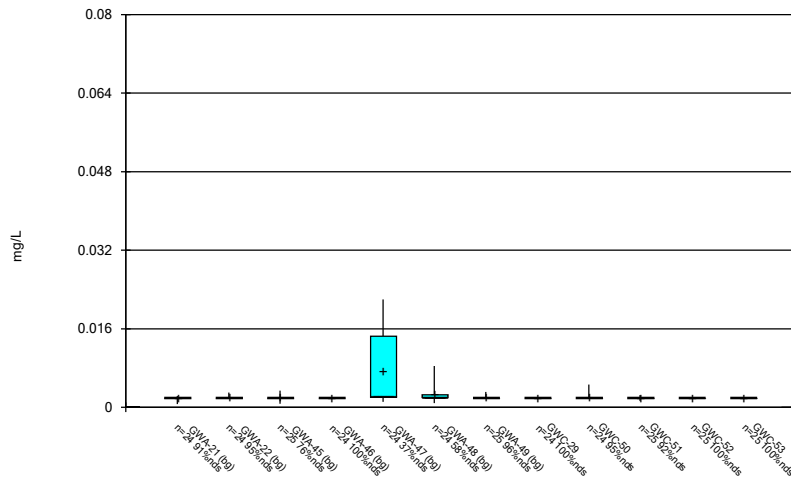
Constituent: Chromium, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



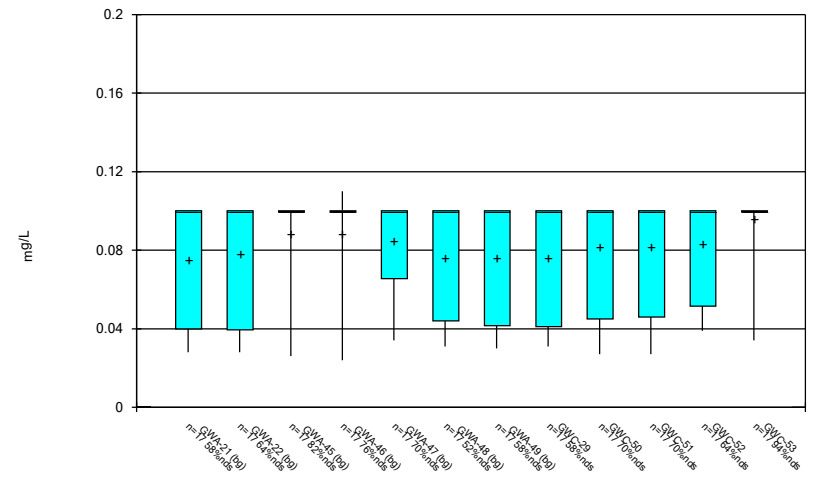
Constituent: Cobalt, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



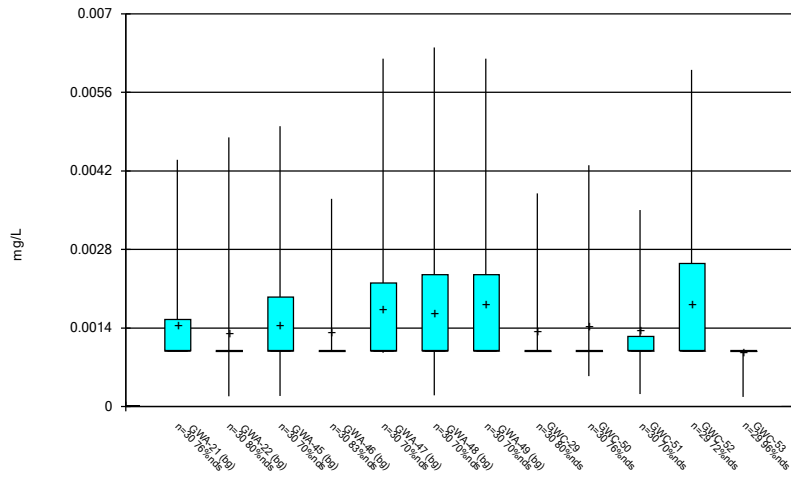
Constituent: Copper, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



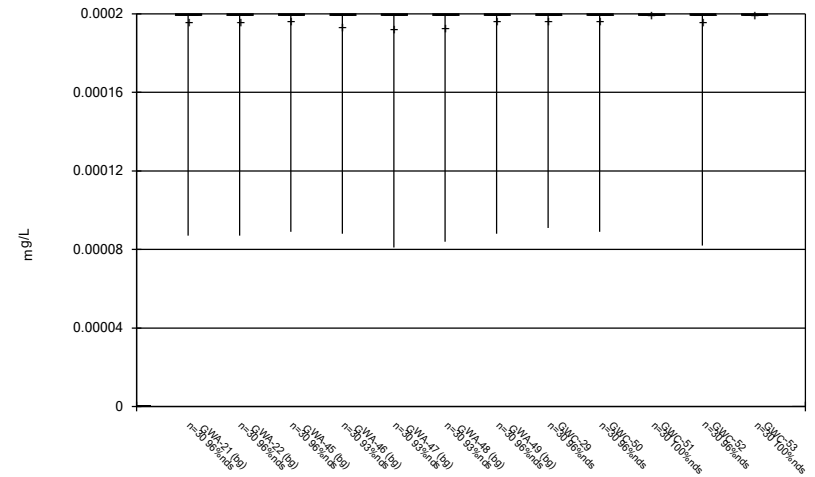
Constituent: Fluoride Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



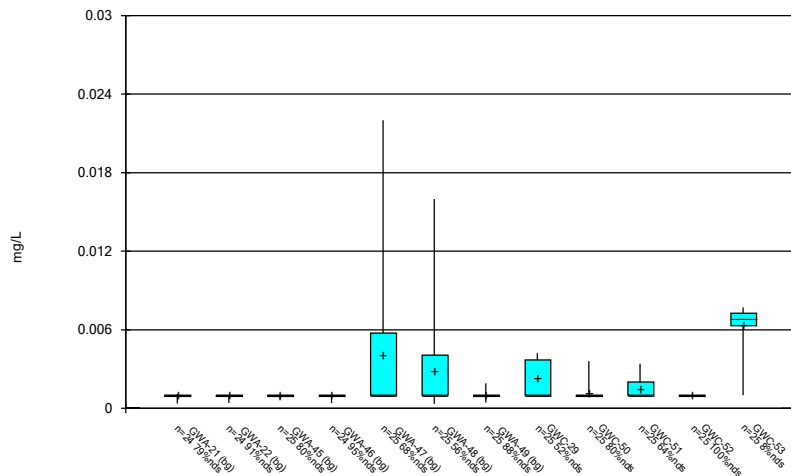
Constituent: Lead, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



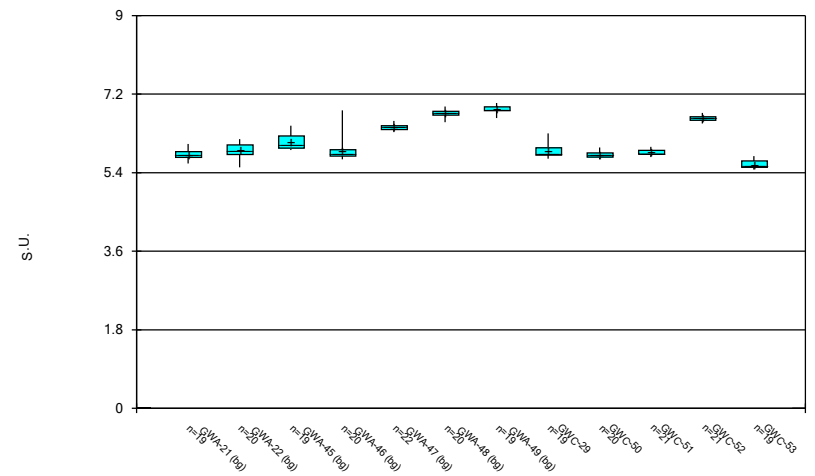
Constituent: Mercury, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



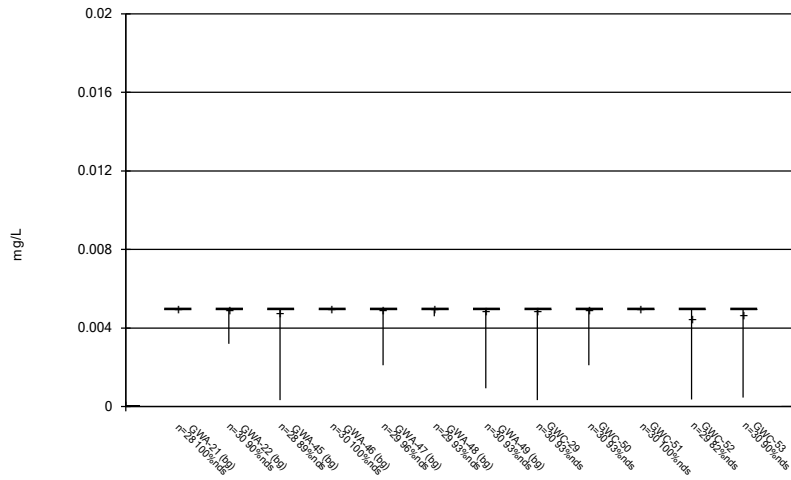
Constituent: Nickel, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



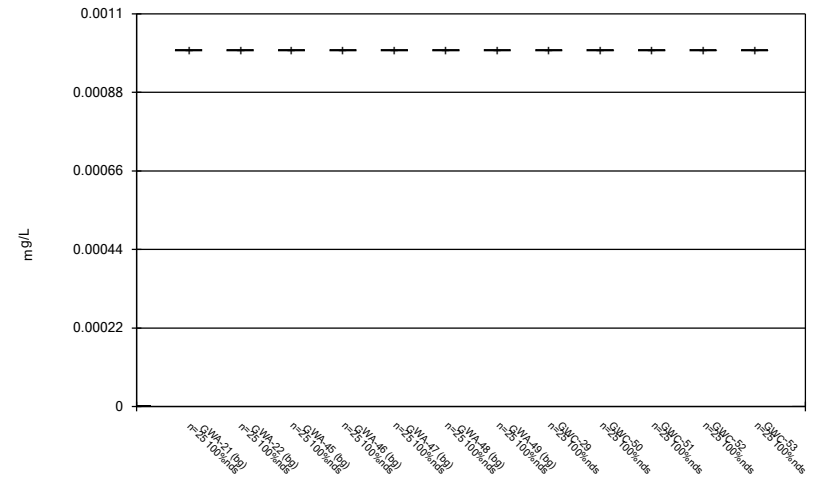
Constituent: pH Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



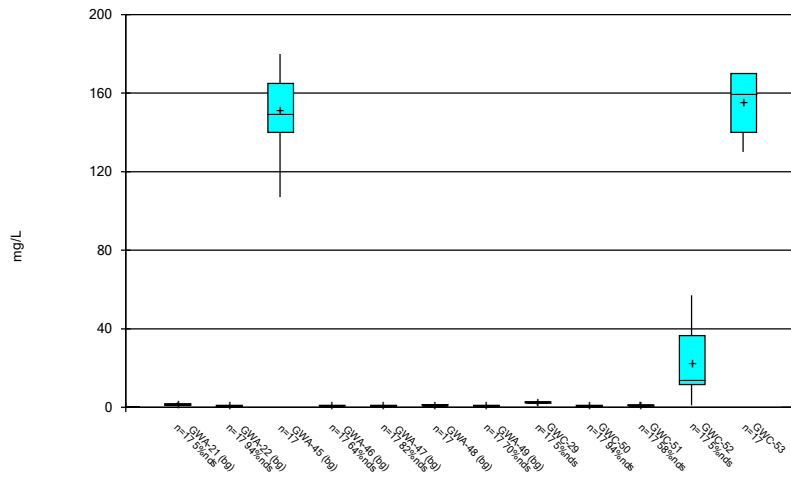
Constituent: Selenium, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



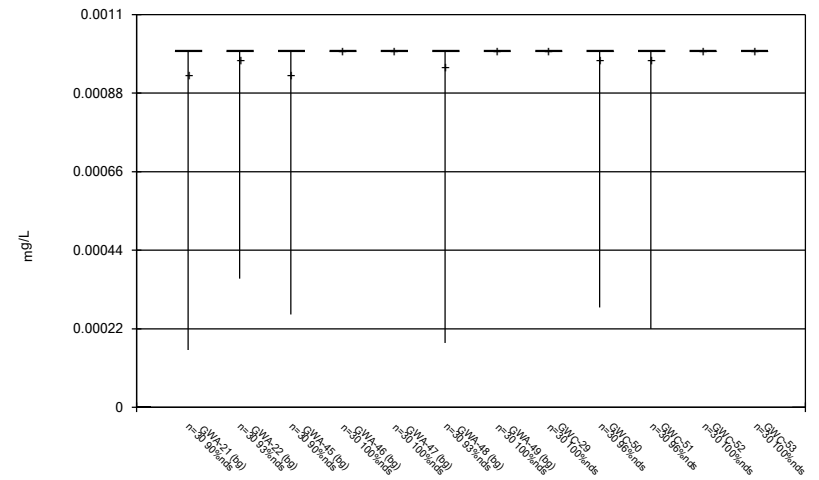
Constituent: Silver, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



Constituent: Sulfate Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

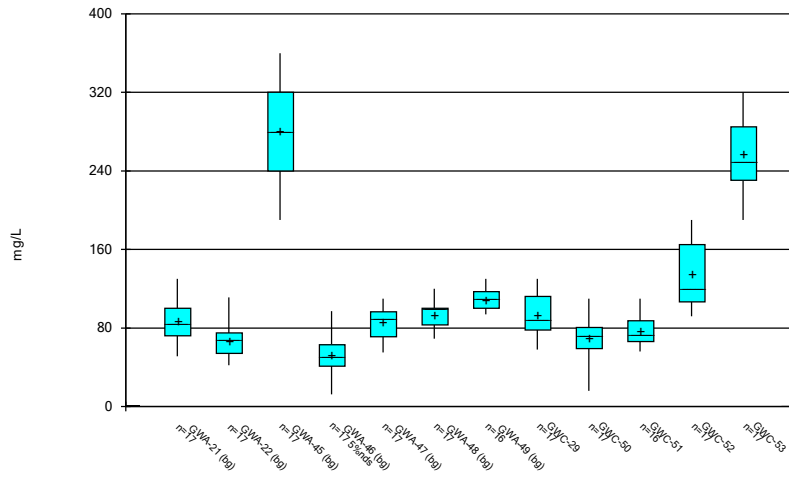
Box & Whiskers Plot



Constituent: Thallium, Total Analysis Run 9/21/2021 9:03 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

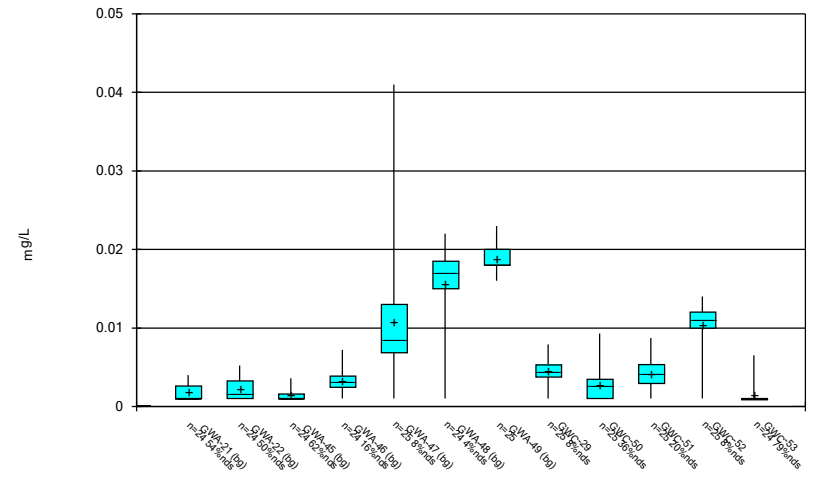


Box & Whiskers Plot



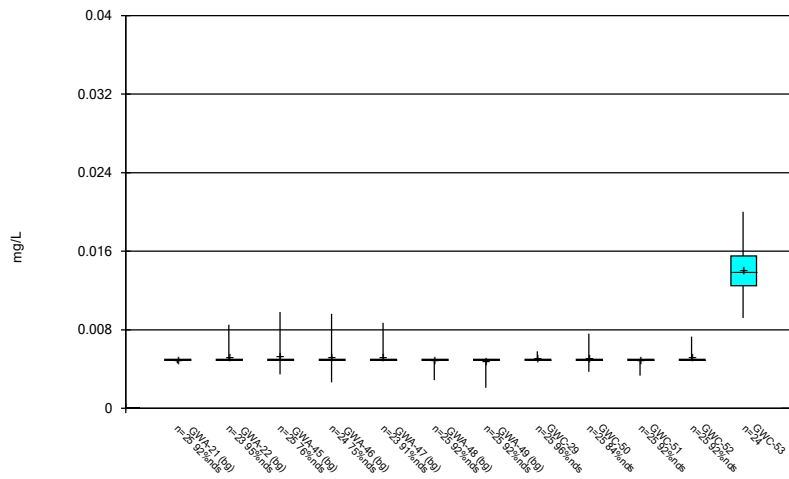
Constituent: Total Dissolved Solids Analysis Run 9/21/2021 9:04 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



Constituent: Vanadium, Total Analysis Run 9/21/2021 9:04 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 9/21/2021 9:04 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

FIGURE C.









# Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 9:47 AM

GWC-53 Vanadium, Total (mg/L)  
GWA-22 Zinc, Total (mg/L)  
GWA-46 Zinc, Total (mg/L)  
GWA-47 Zinc, Total (mg/L)

12/20/2010  
12/21/2010  
12/22/2010  
2/14/2011  
10/25/2011  
5/1/2012  
11/8/2012  
11/4/2013  
11/5/2013  
5/23/2014  
5/20/2015  
5/21/2015  
5/22/2015  
5/25/2015  
11/13/2015  
4/8/2016  
4/11/2016  
6/14/2016  
12/19/2016  
2/13/2017  
10/9/2017  
3/26/2018  
10/3/2018  
3/27/2019  
9/12/2019  
12/2/2019  
3/19/2020  
9/11/2020  
4/2/2021

0.013 (O)

0.014 (O)

0.039 (O)

0.0136 (O)

FIGURE D.



# Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWA-45	0.05701	8/12/2021	0.091	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWA-46	0.02282	8/12/2021	0.023	Yes	27	0.01947	0.001543	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWA-49	0.02233	8/12/2021	0.024	Yes	28	0.01933	0.001391	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-29	0.01961	8/13/2021	0.021	Yes	28	0.01603	0.001661	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-50	0.014	8/13/2021	0.029	Yes	28	0.0001382	0.00002671	0	None	x^2	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-51	0.01222	8/13/2021	0.019	Yes	28	0.00009473	0.00002527	3.571	None	x^2	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	8/17/2021	0.02	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009199	8/12/2021	0.0096	Yes	28	0.07829	0.008154	3.571	None	sqrt(x)	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWC-50	0.006348	8/13/2021	0.0089	Yes	28	0.004525	0.0008434	7.143	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005825	8/13/2021	0.0087	Yes	28	0.003553	0.001051	10.71	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	8/17/2021	0.034	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param 1 of 2
Copper, Total (mg/L)	GWA-49	0.002	8/12/2021	0.0031	Yes	23	n/a	n/a	100	n/a	n/a	0.003415	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWC-50	0.002	8/13/2021	0.0046	Yes	22	n/a	n/a	100	n/a	n/a	0.003707	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWC-51	0.002	8/13/2021	0.0025	Yes	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	8/12/2021	0.0019	Yes	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	8/13/2021	0.0036	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	8/13/2021	0.0034	Yes	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0031	8/12/2021	0.004	Yes	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.004715	8/13/2021	0.0093	Yes	23	0.003096	0.0007265	39.13	Kaplan-Meier	No	0.0007523	Param 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC-CCR    Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWA-45	0.0015	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-48	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	8/13/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	8/13/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	8/13/2021	0.001ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02935	8/12/2021	0.023	No	27	0.0227	0.00306	0	None	No	0.0007523	Param 1 of 2
Barium, Total (mg/L)	GWA-22	0.02993	8/12/2021	0.024	No	28	0.02437	0.00257	0	None	No	0.0007523	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.05701</b>	<b>8/12/2021</b>	<b>0.091</b>	<b>Yes</b>	<b>24</b>	<b>0.03215</b>	<b>0.01125</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-46</b>	<b>0.02282</b>	<b>8/12/2021</b>	<b>0.023</b>	<b>Yes</b>	<b>27</b>	<b>0.01947</b>	<b>0.001543</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Barium, Total (mg/L)	GWA-47	0.045	8/13/2021	0.026	No	27	n/a	n/a	0	n/a	n/a	0.002502	NP (normality) 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	8/12/2021	0.013	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP (normality) 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.02233</b>	<b>8/12/2021</b>	<b>0.024</b>	<b>Yes</b>	<b>28</b>	<b>0.01933</b>	<b>0.001391</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.01961</b>	<b>8/13/2021</b>	<b>0.021</b>	<b>Yes</b>	<b>28</b>	<b>0.01603</b>	<b>0.001661</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.014</b>	<b>8/13/2021</b>	<b>0.029</b>	<b>Yes</b>	<b>28</b>	<b>0.0001382</b>	<b>0.00002671</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.01222</b>	<b>8/13/2021</b>	<b>0.019</b>	<b>Yes</b>	<b>28</b>	<b>0.00009473</b>	<b>0.00002527</b>	<b>3.571</b>	<b>None</b>	<b>x^2</b>	<b>0.0007523</b>	Param 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01758</b>	<b>8/17/2021</b>	<b>0.02</b>	<b>Yes</b>	<b>28</b>	<b>0.01176</b>	<b>0.00269</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Barium, Total (mg/L)	GWC-53	0.11	8/13/2021	0.038	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP (normality) 1 of 2
Beryllium, Total (mg/L)	GWA-22	0.0025	8/12/2021	0.0025ND	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	8/13/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	8/13/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	8/13/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.008995	8/12/2021	0.0016J	No	28	0.05889	0.01663	14.29	None	sqrt(x)	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01164	8/12/2021	0.008	No	28	0.006711	0.002282	7.143	None	No	0.0007523	Param 1 of 2
Chromium, Total (mg/L)	GWA-46	0.0088	8/12/2021	0.0045	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	8/13/2021	0.0082	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	8/12/2021	0.0058	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP (normality) 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.009199</b>	<b>8/12/2021</b>	<b>0.0096</b>	<b>Yes</b>	<b>28</b>	<b>0.07829</b>	<b>0.008154</b>	<b>3.571</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	Param 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	8/13/2021	0.001ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP (normality) 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.006348</b>	<b>8/13/2021</b>	<b>0.0089</b>	<b>Yes</b>	<b>28</b>	<b>0.004525</b>	<b>0.0008434</b>	<b>7.143</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.005825</b>	<b>8/13/2021</b>	<b>0.0087</b>	<b>Yes</b>	<b>28</b>	<b>0.003553</b>	<b>0.001051</b>	<b>10.71</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01533</b>	<b>8/17/2021</b>	<b>0.034</b>	<b>Yes</b>	<b>24</b>	<b>0.00975</b>	<b>0.002526</b>	<b>4.167</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Chromium, Total (mg/L)	GWC-53	0.0041	8/13/2021	0.0019J	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	8/12/2021	0.00028J	No	28	n/a	n/a	64.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	8/12/2021	0.00015J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01078	8/12/2021	0.0024J	No	28	0.1408	0.03707	25	Kaplan-Meier	x^(1/3)	0.0007523	Param 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0025	8/12/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	8/13/2021	0.0025ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.0025	8/12/2021	0.0025ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	8/12/2021	0.00072J	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-29	0.0025	8/13/2021	0.00015J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-50	0.0025	8/13/2021	0.00074J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	8/13/2021	0.00059J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01667	8/13/2021	0.015	No	28	0.008496	0.003782	7.143	None	No	0.0007523	Param 1 of 2
Copper, Total (mg/L)	GWA-21	0.0023	8/12/2021	0.00066J	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWA-22	0.003	8/12/2021	0.002ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWA-45	0.0034	8/12/2021	0.002ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWA-47	0.022	8/13/2021	0.002ND	No	22	n/a	n/a	36.36	n/a	n/a	0.003707	NP (normality) 1 of 2
Copper, Total (mg/L)	GWA-48	0.0084	8/12/2021	0.002ND	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP (NDs) 1 of 2
<b>Copper, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.002</b>	<b>8/12/2021</b>	<b>0.0031</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Copper, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.002</b>	<b>8/13/2021</b>	<b>0.0046</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	NP (NDs) 1 of 2
<b>Copper, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.002</b>	<b>8/13/2021</b>	<b>0.0025</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>95.65</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-21	0.0044	8/12/2021	0.001ND	No	28	n/a	n/a	75	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.0048	8/12/2021	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.005	8/12/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-46	0.0037	8/12/2021	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.0062	8/13/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.0064	8/12/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWA-49	0.0062	8/12/2021	0.001ND	No	28	n/a	n/a	67.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-29	0.0038	8/13/2021	0.001ND	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-50	0.0043	8/13/2021	0.00054J	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0035	8/13/2021	0.00022J	No	28	n/a	n/a	71.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-52	0.006	8/17/2021	0.001ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP (NDs) 1 of 2
Lead, Total (mg/L)	GWC-53	0.001	8/13/2021	0.00017J	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-22	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-46	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	8/13/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	8/12/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	8/13/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	8/13/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	8/17/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	8/12/2021	0.0011	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-22	0.001	8/12/2021	0.00042J	No	22	n/a	n/a	100	n/a	n/a	0.003707	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	8/12/2021	0.00092J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	8/12/2021	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	8/13/2021	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	8/12/2021	0.001ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP (NDs) 1 of 2
<b>Nickel, Total (mg/L)</b>	<b>GWA-49</b>	<b>0.001</b>	<b>8/12/2021</b>	<b>0.0019</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>91.3</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	8/13/2021	0.0037	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP (NDs) 1 of 2
<b>Nickel, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.0018</b>	<b>8/13/2021</b>	<b>0.0036</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>86.96</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
<b>Nickel, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.0025</b>	<b>8/13/2021</b>	<b>0.0034</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>69.57</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008258	8/13/2021	0.0073	No	23	0.006804	0.0006526	8.696	None	No	0.0007523	Param 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	8/12/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	8/12/2021	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	8/13/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	8/12/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	8/12/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	8/13/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	8/13/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	8/17/2021	0.005ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	8/13/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.001	8/12/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	8/13/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-51	0.001	8/13/2021	0.001ND	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP (NDs) 1 of 2

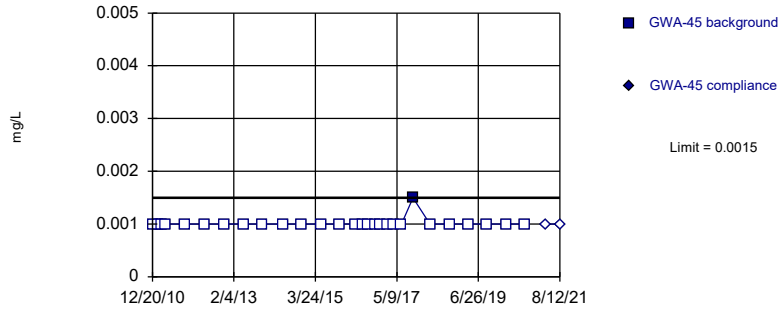
# Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:18 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Vanadium, Total (mg/L)</b>	<b>GWA-21</b>	<b>0.0031</b>	<b>8/12/2021</b>	<b>0.004</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>59.09</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-22	0.0052	8/12/2021	0.0028	No	22	n/a	n/a	54.55	n/a	n/a	0.003707	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	8/12/2021	0.0017	No	22	n/a	n/a	68.18	n/a	n/a	0.003707	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.006504	8/12/2021	0.0031	No	22	0.05801	0.01008	18.18	Kaplan-Meier	sqrt(x)	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.0299	8/13/2021	0.0078	No	23	0.1014	0.03211	8.696	None	sqrt(x)	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02341	8/12/2021	0.019	No	22	0.01572	0.003424	4.545	None	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.02263	8/12/2021	0.02	No	23	0.01862	0.0018	0	None	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.007283	8/13/2021	0.0061	No	23	0.004774	0.001126	8.696	None	No	0.0007523	Param 1 of 2
<b>Vanadium, Total (mg/L)</b>	<b>GWC-50</b>	<b>0.004715</b>	<b>8/13/2021</b>	<b>0.0093</b>	<b>Yes</b>	<b>23</b>	<b>0.003096</b>	<b>0.0007265</b>	<b>39.13</b>	<b>Kaplan-Meier</b>	<b>No</b>	<b>0.0007523</b>	Param 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.007316	8/13/2021	0.0072	No	23	0.004446	0.001288	21.74	Kaplan-Meier	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01371	8/17/2021	0.011	No	23	0.01109	0.001178	8.696	None	No	0.0007523	Param 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	8/13/2021	0.0016	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	8/12/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.0085	8/12/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0098	8/12/2021	0.006	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-46	0.0096	8/12/2021	0.005ND	No	22	n/a	n/a	77.27	n/a	n/a	0.003707	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	8/13/2021	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	8/12/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	8/12/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.0058	8/13/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.0076	8/13/2021	0.0053	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	8/13/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0073	8/17/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02028	8/13/2021	0.017	No	22	0.01392	0.002833	0	None	No	0.0007523	Param 1 of 2

Within Limit

Prediction Limit  
Intrawell Non-parametric

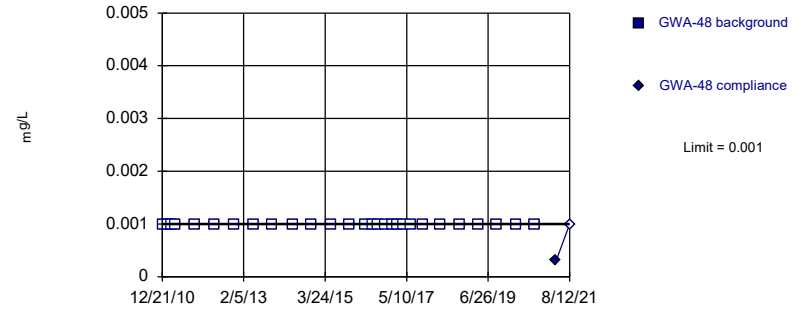


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 9/21/2021 9:04 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

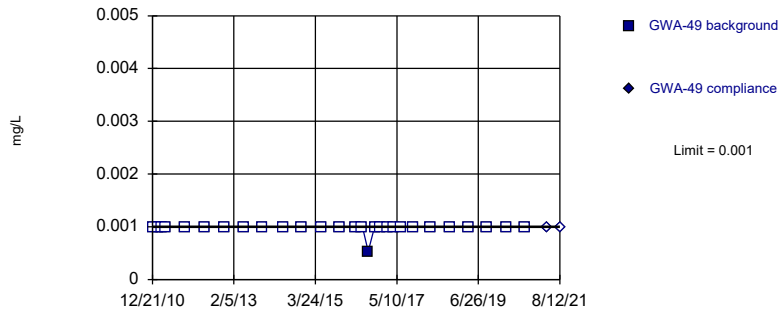


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 9/21/2021 9:04 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

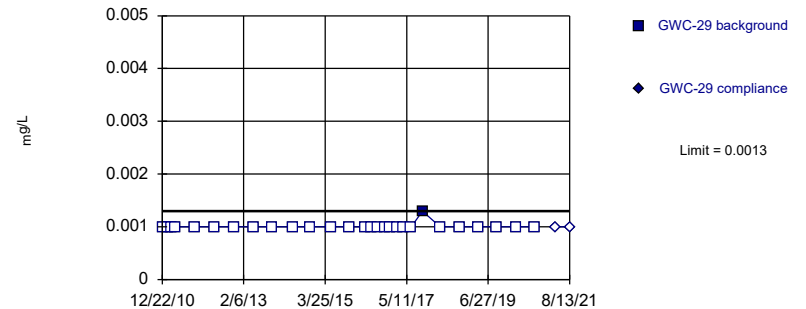


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 9/21/2021 9:04 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

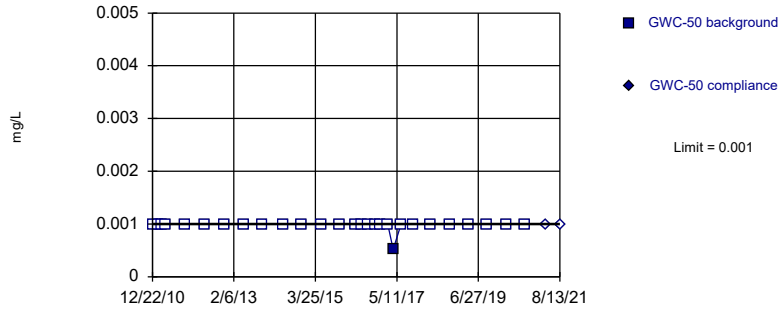


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 9/21/2021 9:04 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

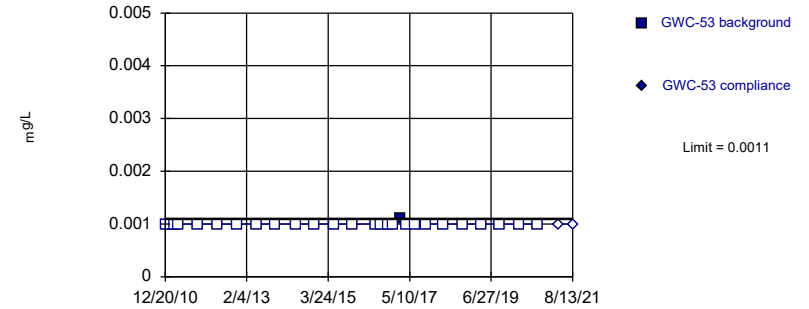


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 9/21/2021 9:04 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

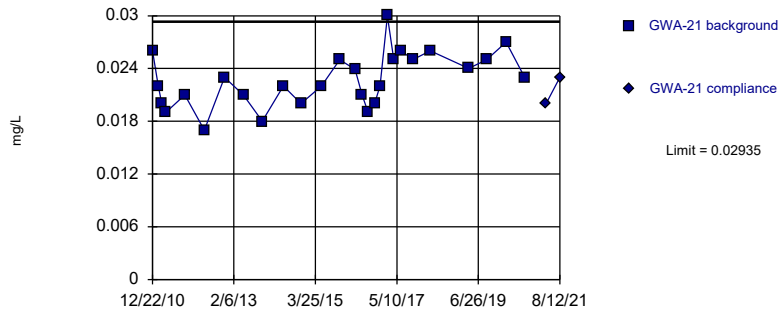


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Arsenic, Total Analysis Run 9/21/2021 9:04 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

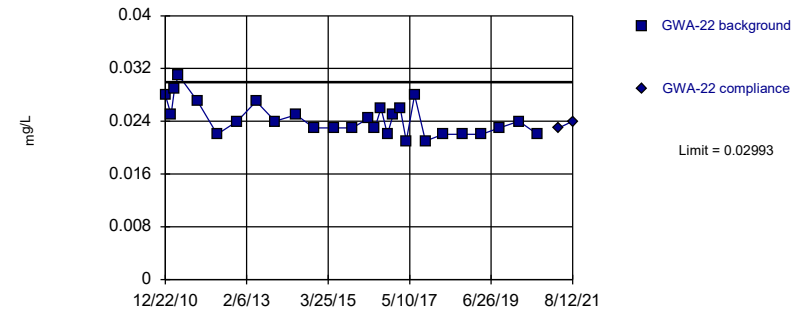


Background Data Summary: Mean=0.0227, Std. Dev.=0.00306, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.894. Kappa = 2.172 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

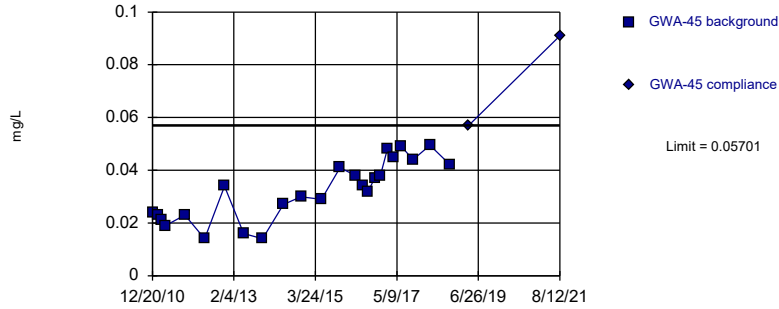


Background Data Summary: Mean=0.02437, Std. Dev.=0.00257, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

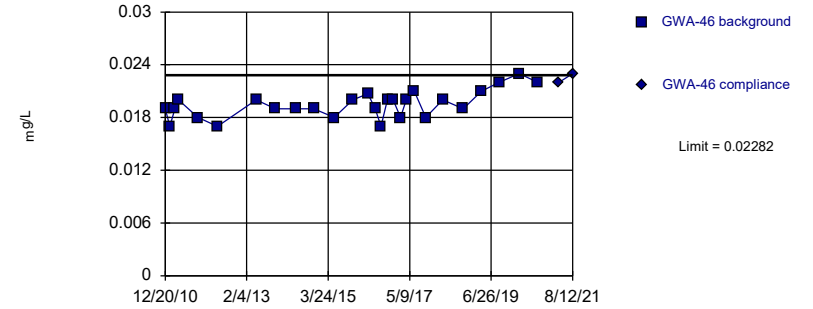


Background Data Summary: Mean=0.03215, Std. Dev.=0.01125, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

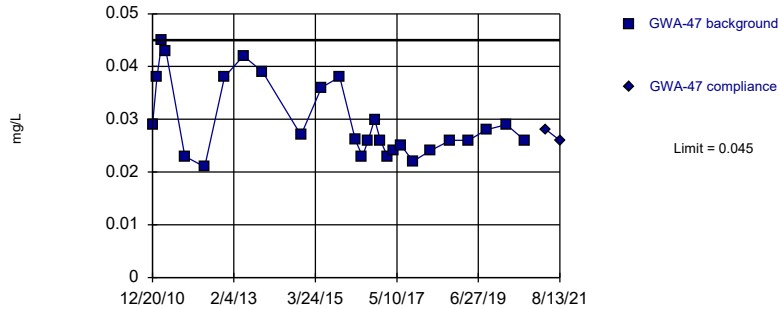


Background Data Summary: Mean=0.01947, Std. Dev.=0.001543, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9506, critical = 0.894. Kappa = 2.172 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

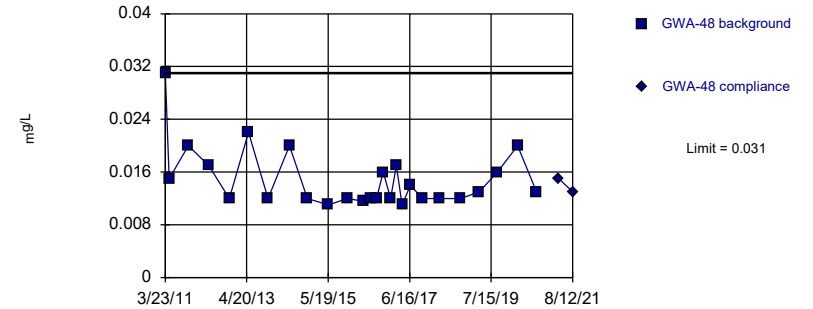


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

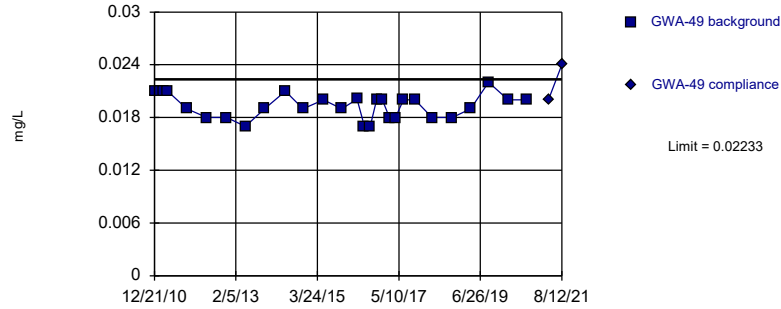


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

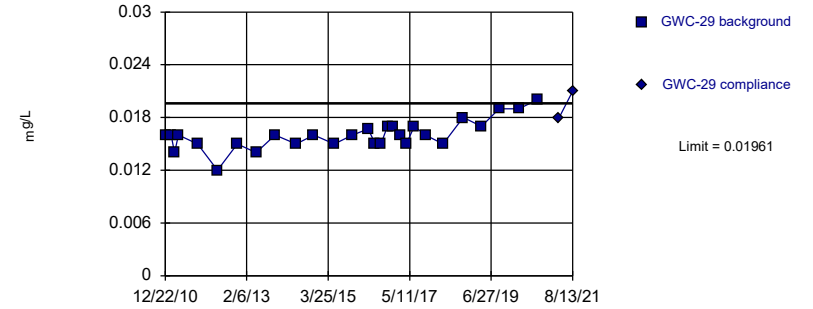


Background Data Summary: Mean=0.01933, Std. Dev.=0.001391, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

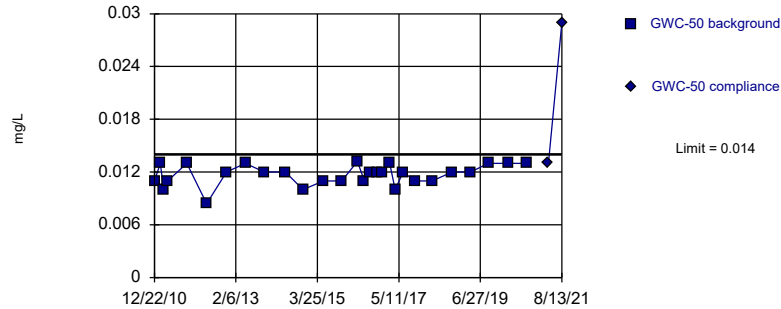


Background Data Summary: Mean=0.01603, Std. Dev.=0.001661, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9382, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



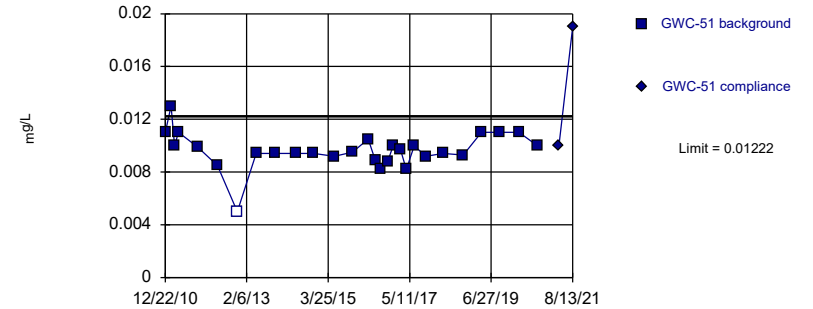
Background Data Summary (based on square transformation): Mean=0.0001382, Std. Dev.=0.00002671, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.902, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit  
Intrawell Parametric



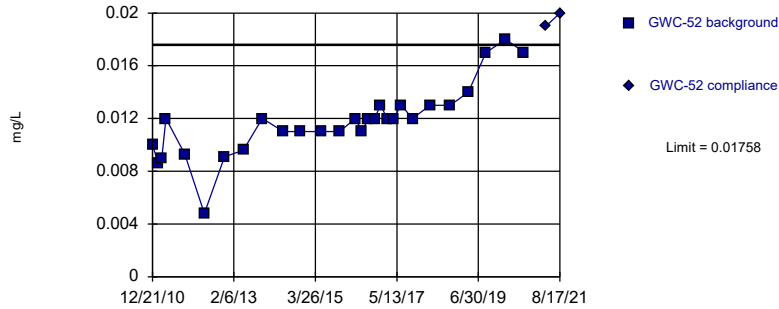
Background Data Summary (based on square transformation): Mean=0.00009473, Std. Dev.=0.00002527, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Exceeds Limit

Prediction Limit  
Intrawell Parametric

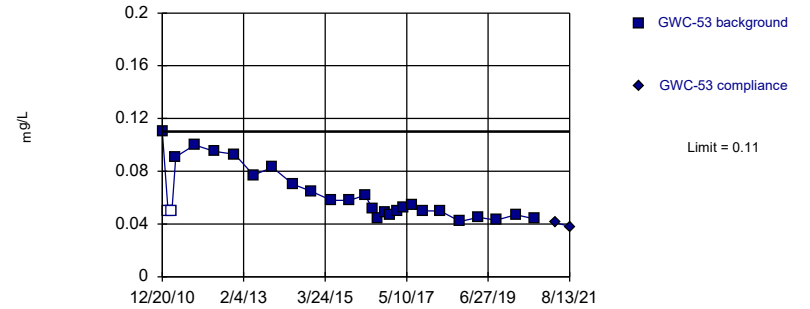


Background Data Summary: Mean=0.01176, Std. Dev.=0.00269, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

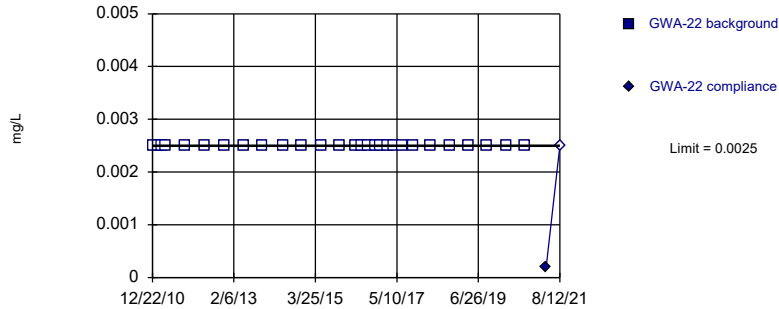


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Barium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

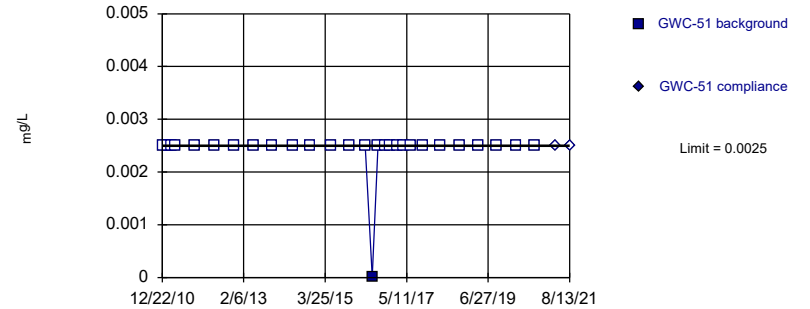


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Beryllium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

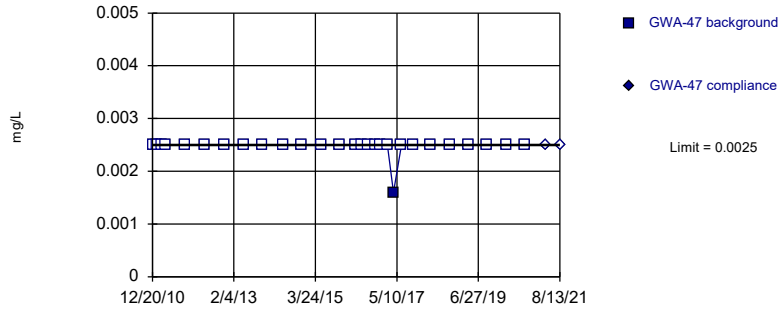


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Beryllium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

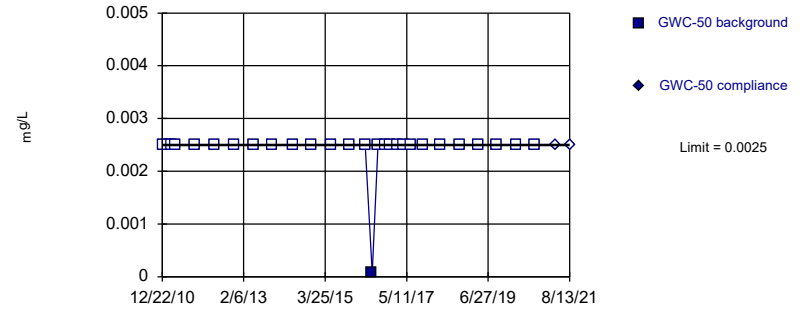


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

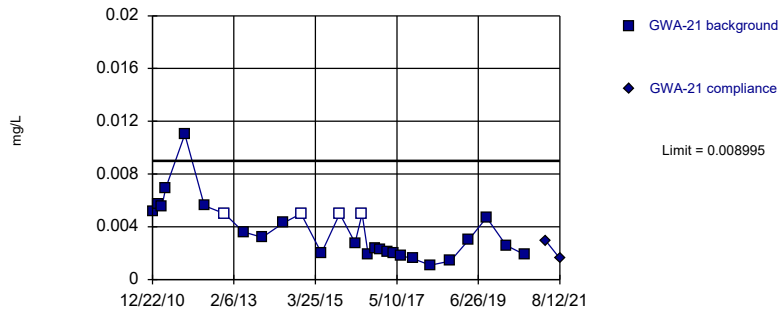


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

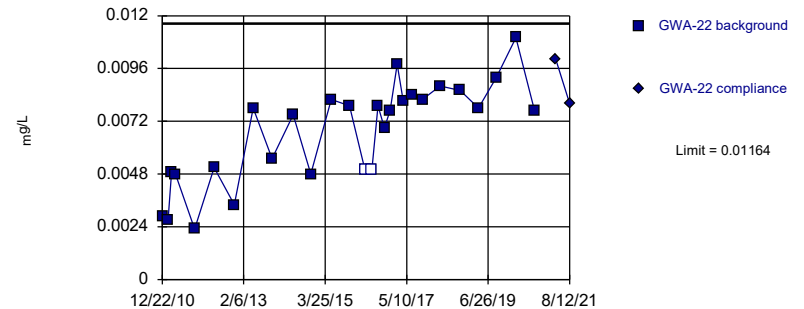


Background Data Summary (based on square root transformation): Mean=0.05889, Std. Dev.=0.01663, n=28, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9352, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

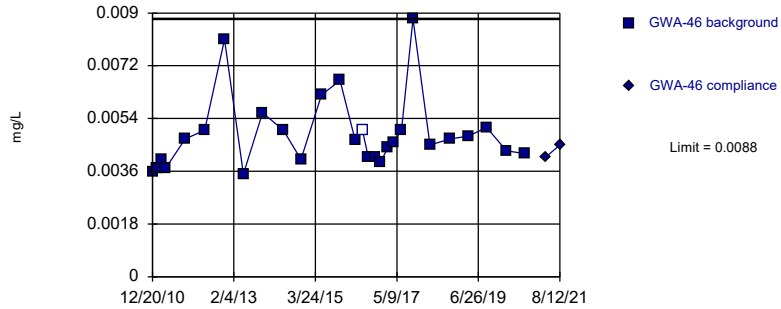


Background Data Summary: Mean=0.006711, Std. Dev.=0.002282, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

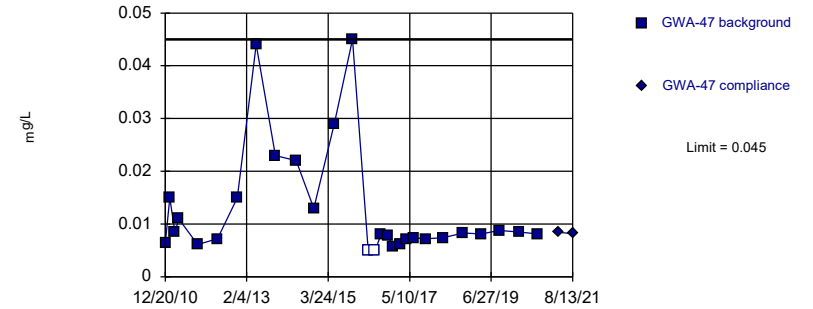


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

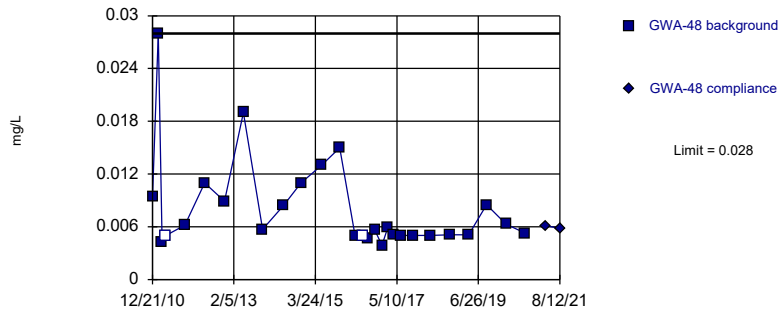


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

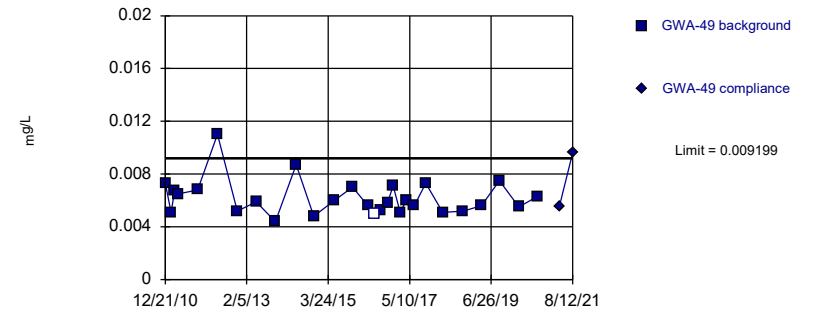


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

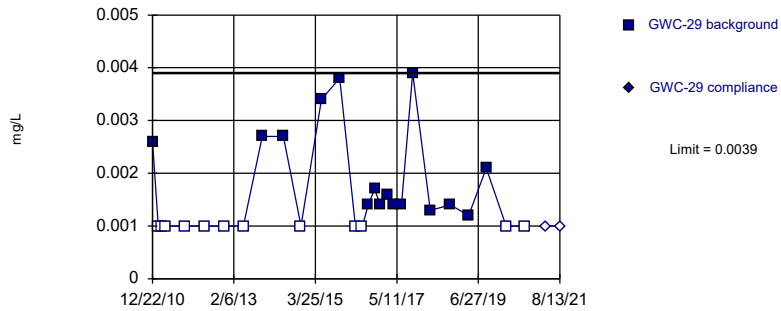


Background Data Summary (based on square root transformation): Mean=0.07829, Std. Dev.=0.008154, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8979, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

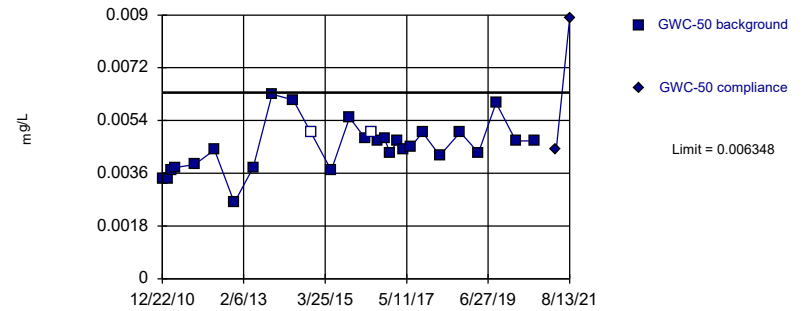


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

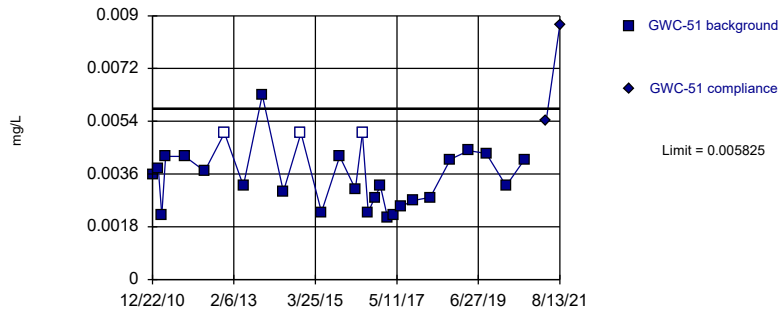


Background Data Summary: Mean=0.004525, Std. Dev.=0.0008434, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

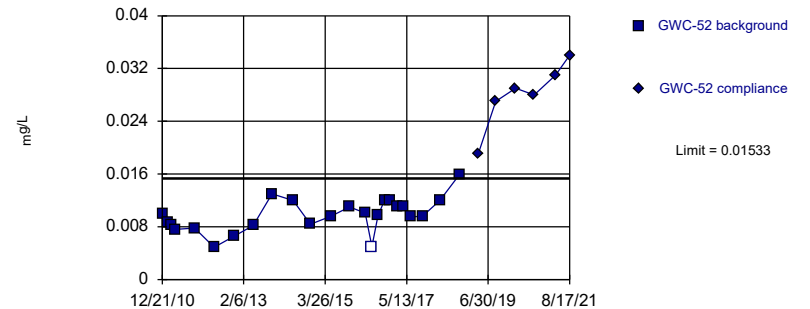


Background Data Summary: Mean=0.003553, Std. Dev.=0.001051, n=28, 10.71% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

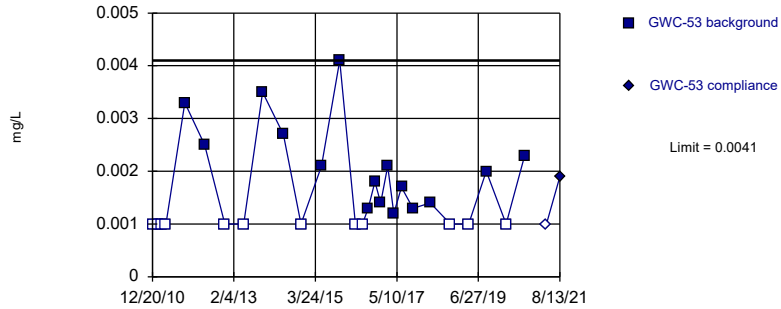


Background Data Summary: Mean=0.00975, Std. Dev.=0.002526, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

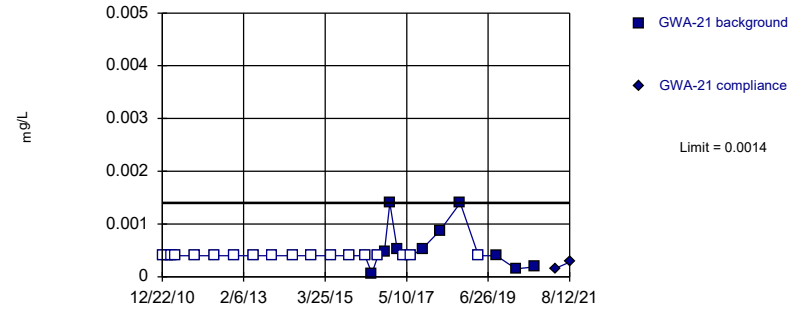


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

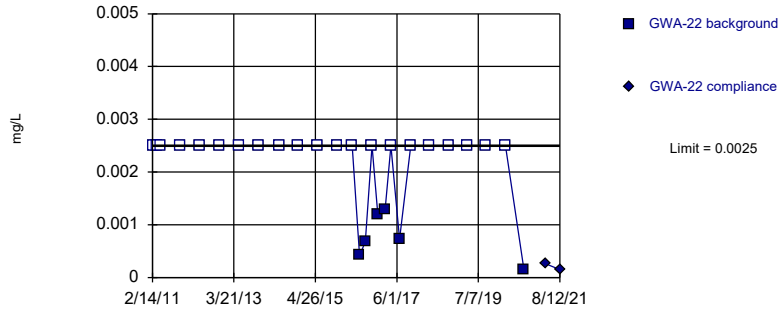


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

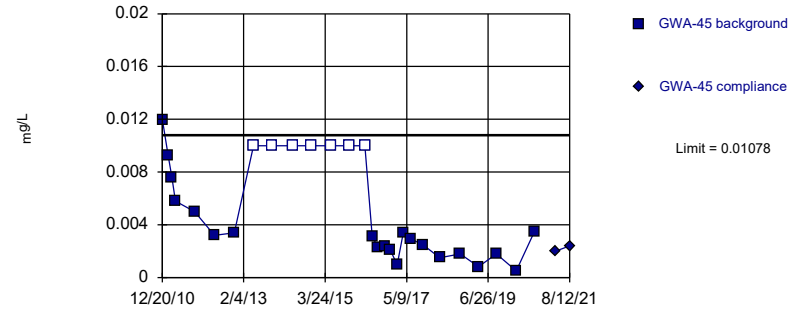


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

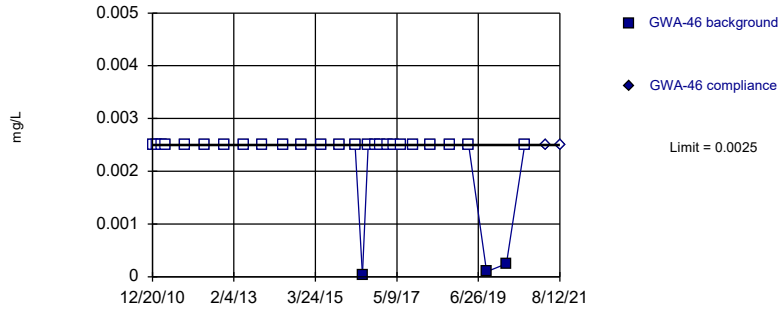


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1408, Std. Dev.=0.03707, n=28, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9082, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

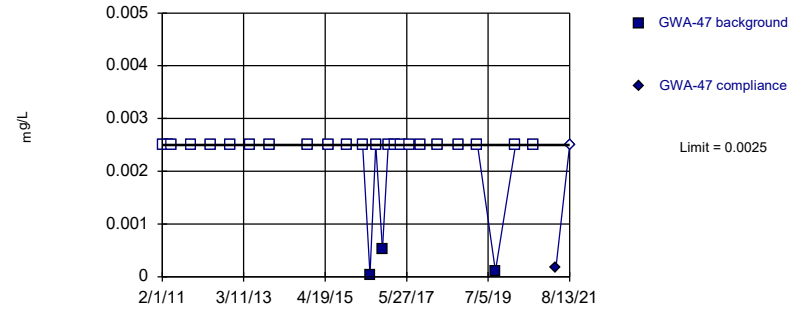


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

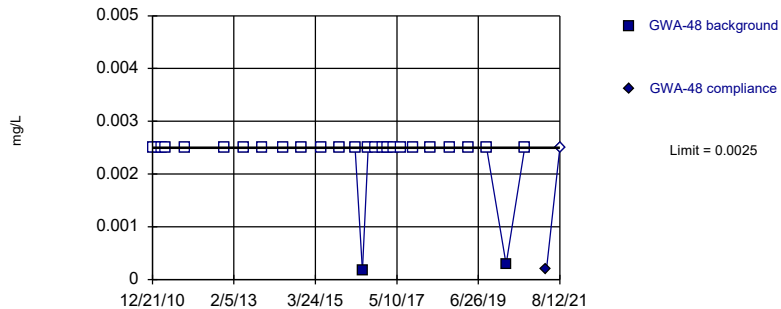


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

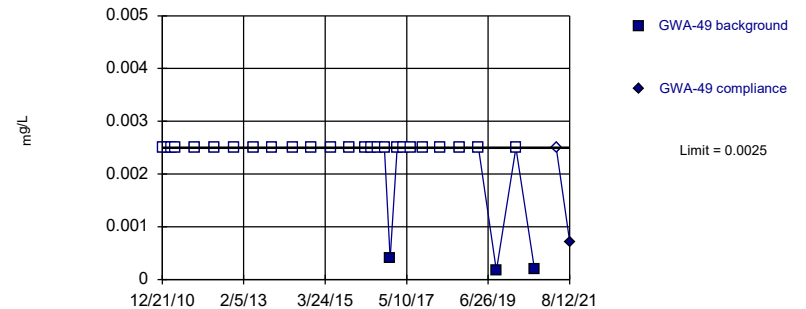


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

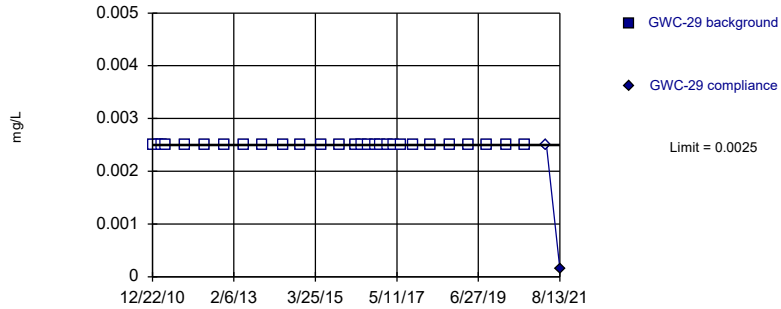


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

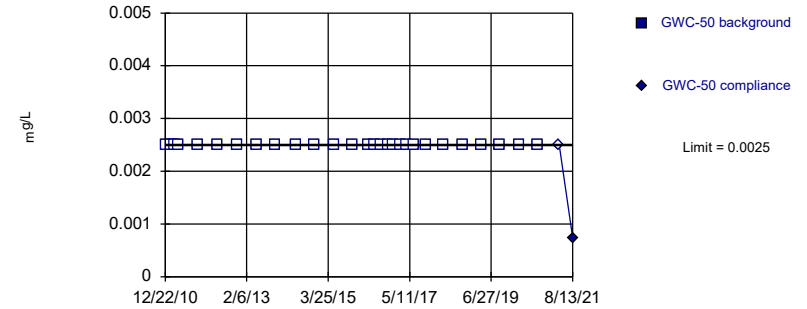


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

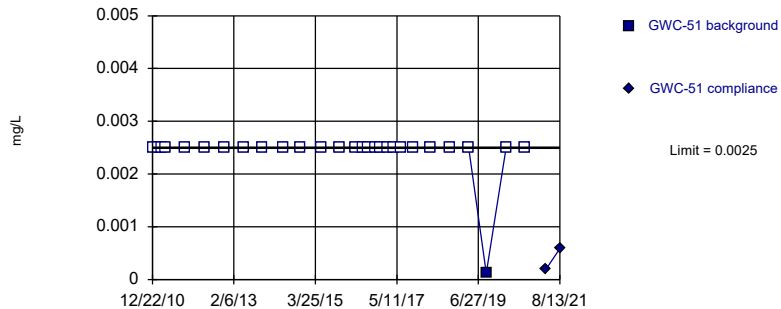


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

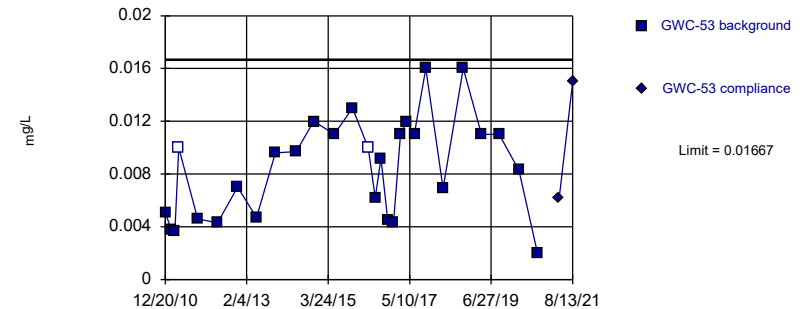


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

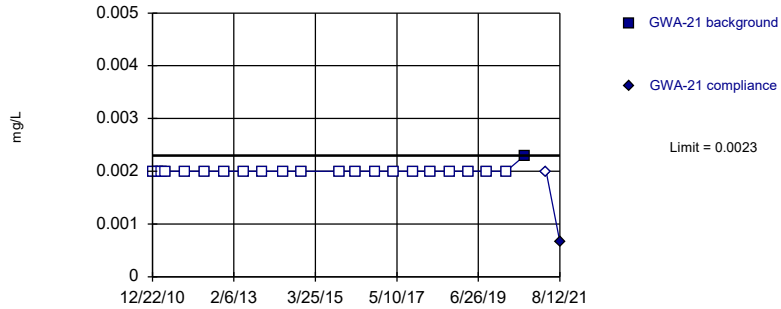


Background Data Summary: Mean=0.008496, Std. Dev.=0.003782, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Cobalt, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

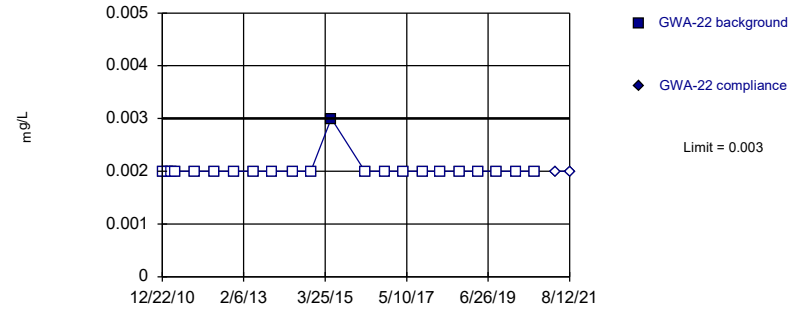


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

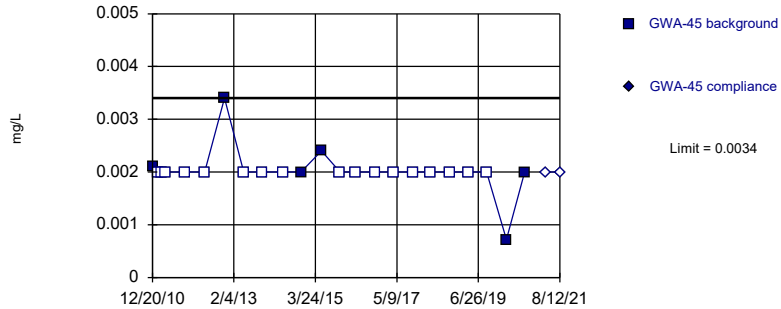


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

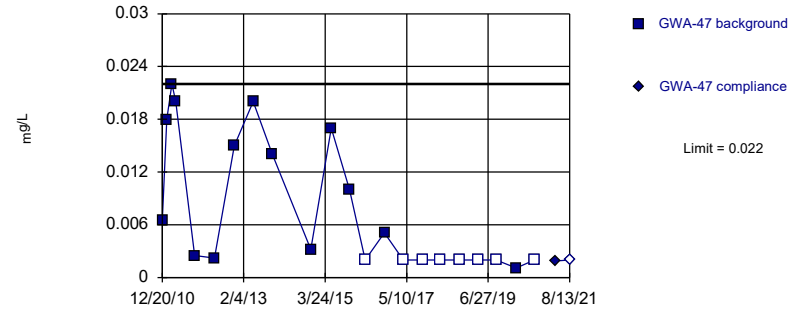


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



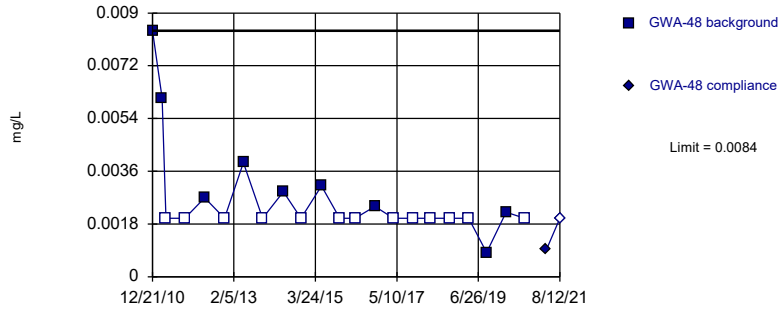
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

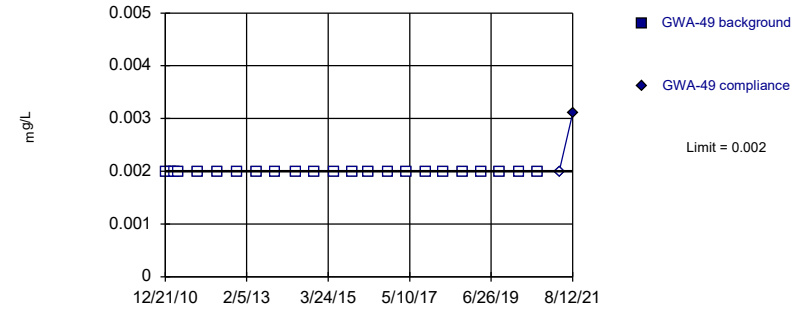


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

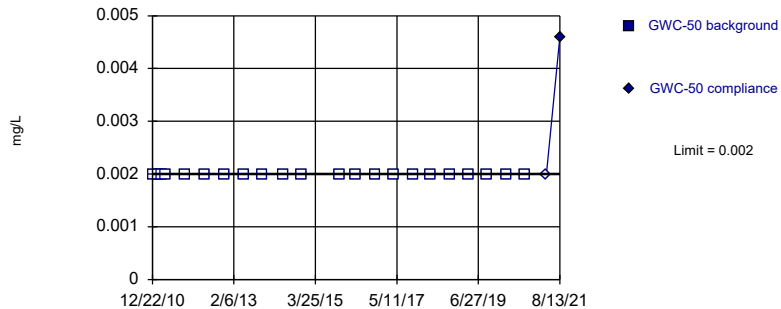


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

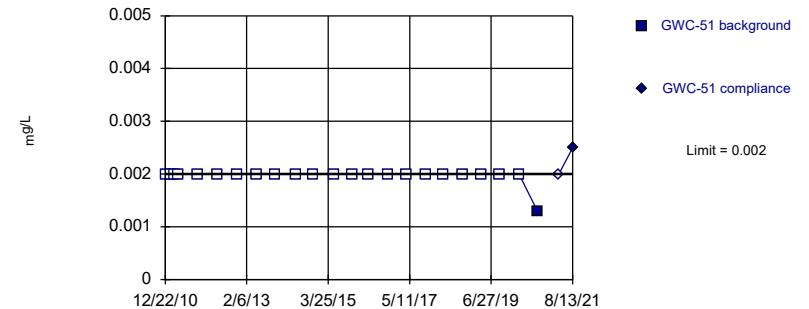


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

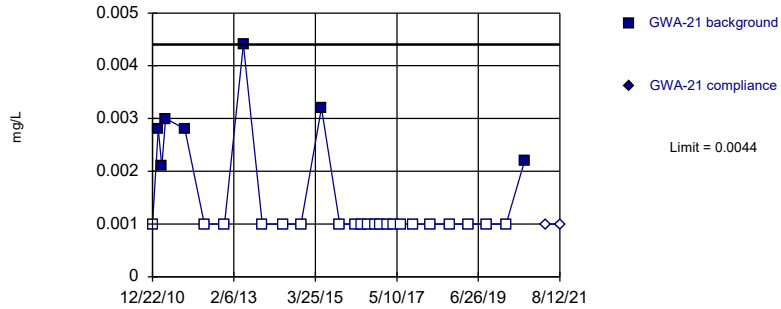


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

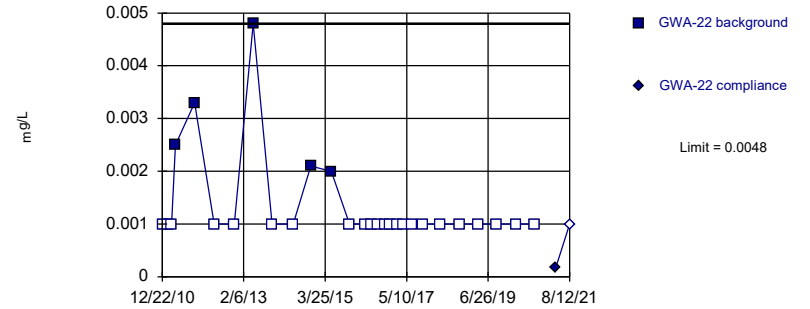


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 75% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

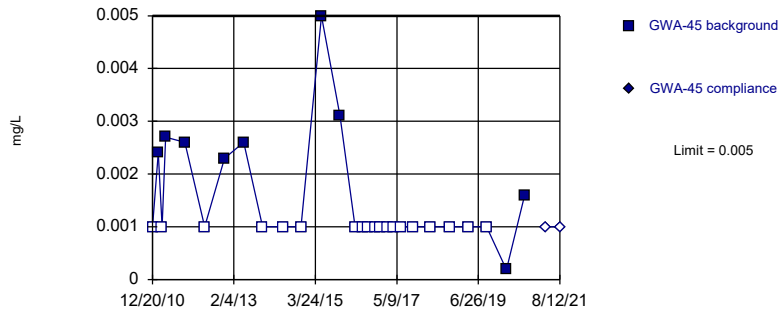


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 82.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

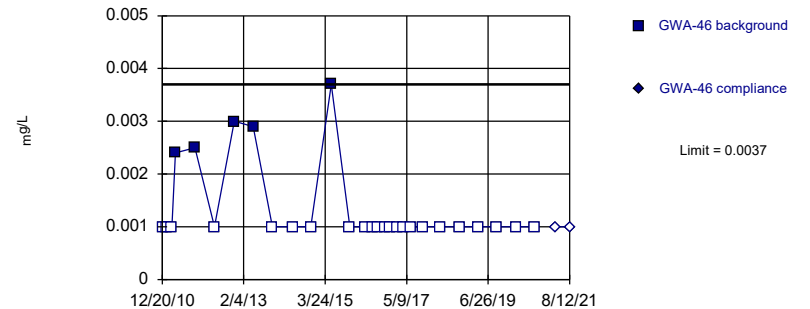


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 67.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

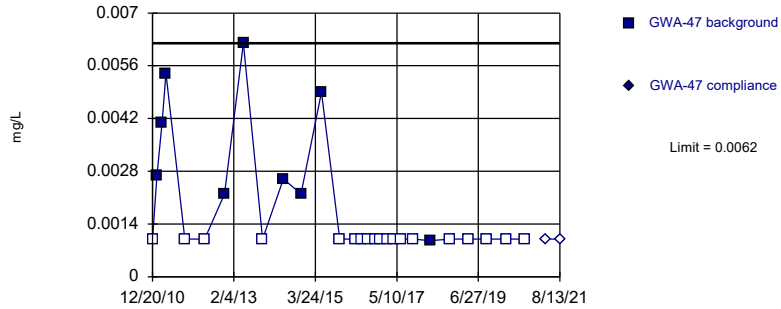


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 82.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

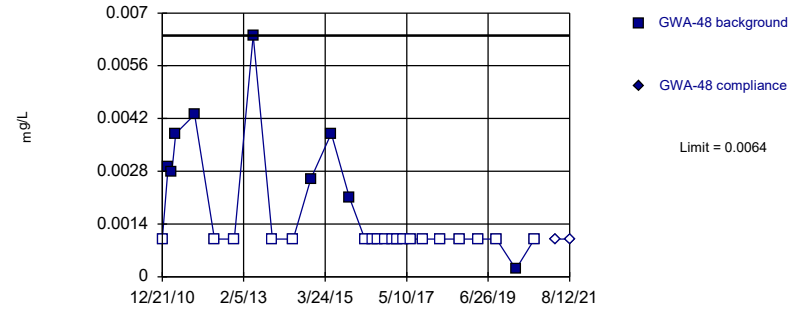


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 67.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

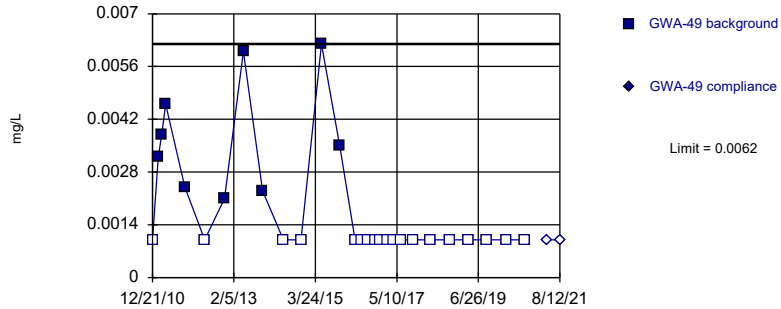


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 67.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

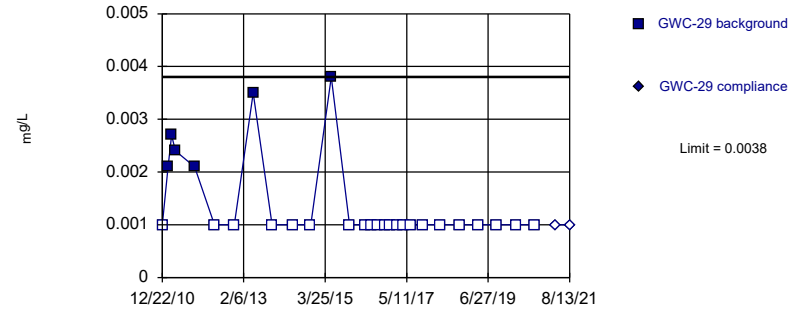


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 67.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

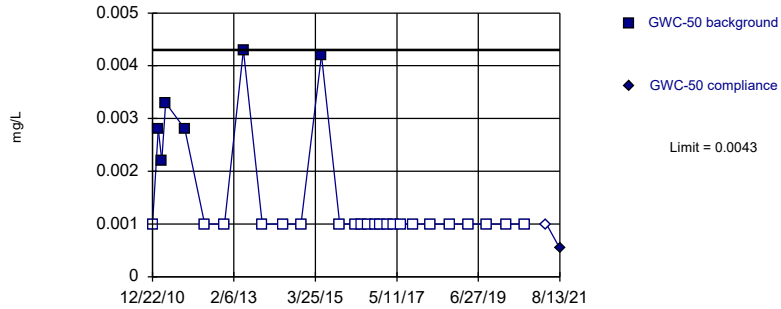


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

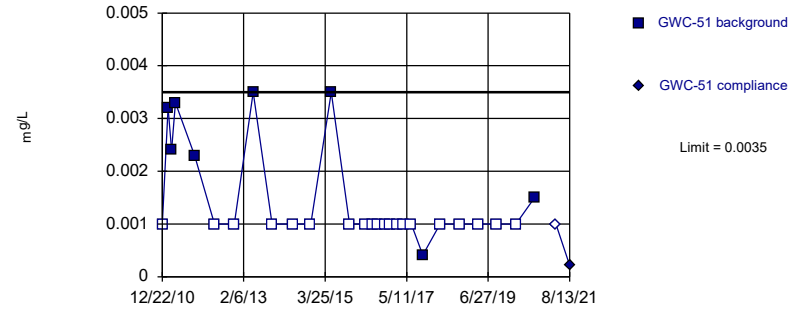


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

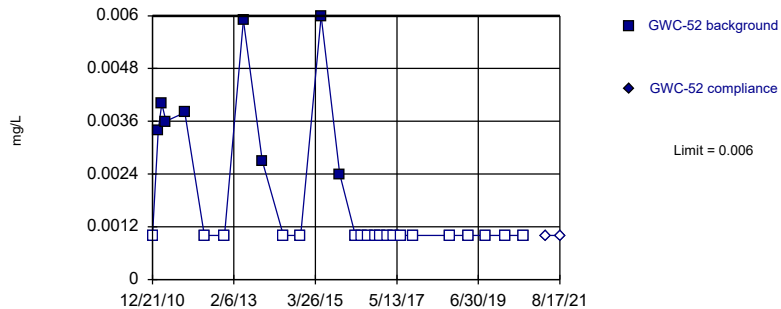


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

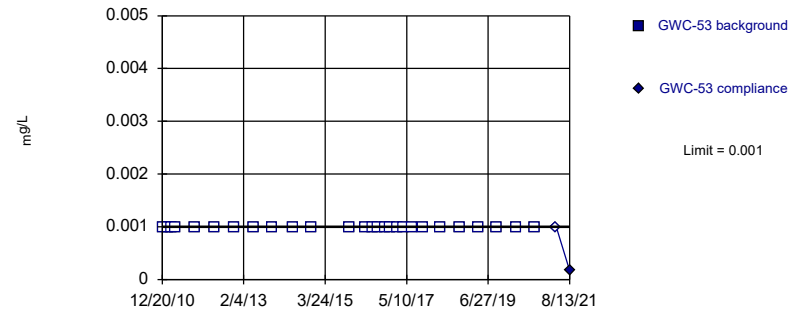


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

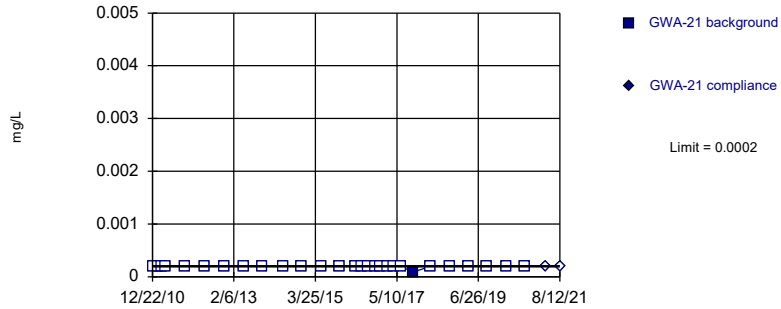


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Lead, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

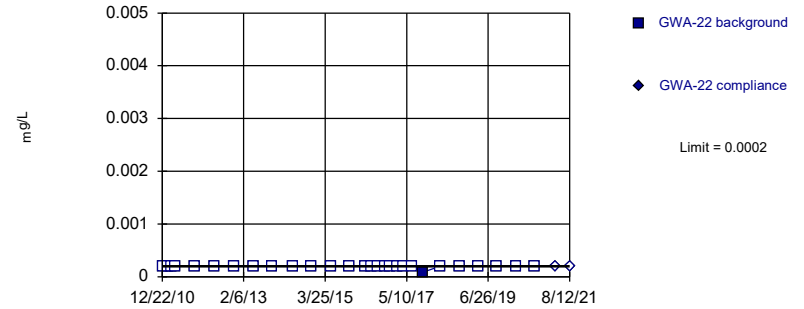


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

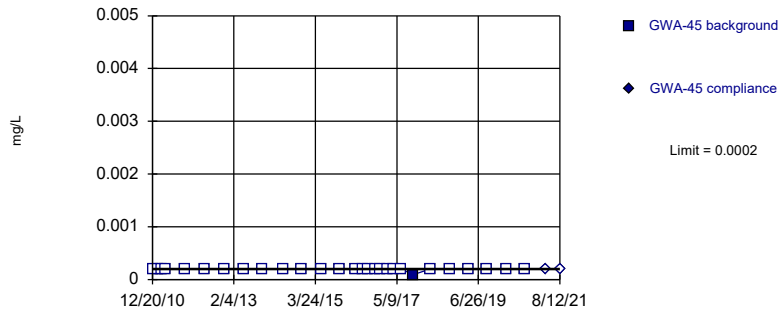


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:05 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

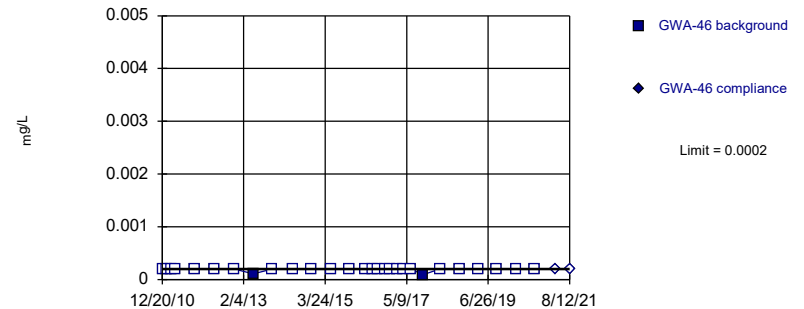


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

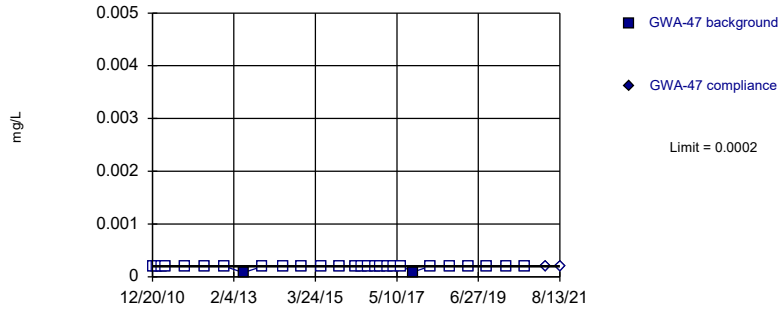
### Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

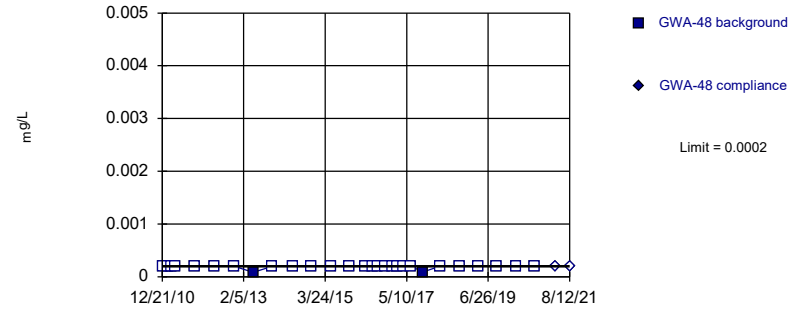
Within Limit Prediction Limit  
 IntraWell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

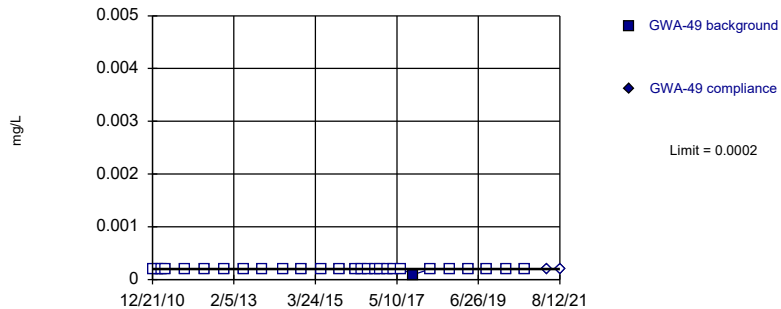
Within Limit Prediction Limit  
 IntraWell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

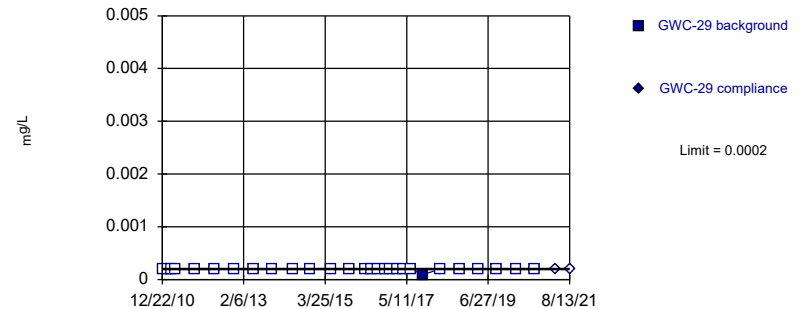
Within Limit Prediction Limit  
 IntraWell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit Prediction Limit  
 IntraWell Non-parametric

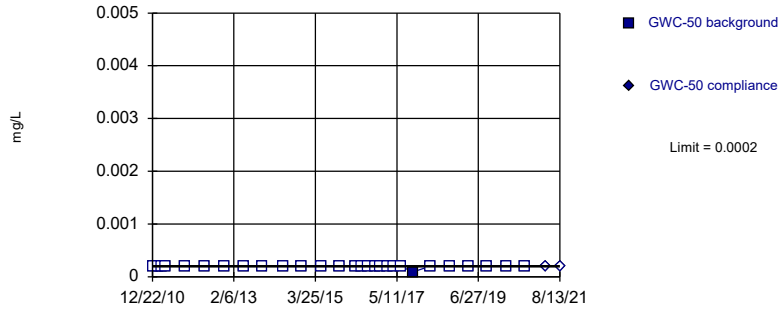


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

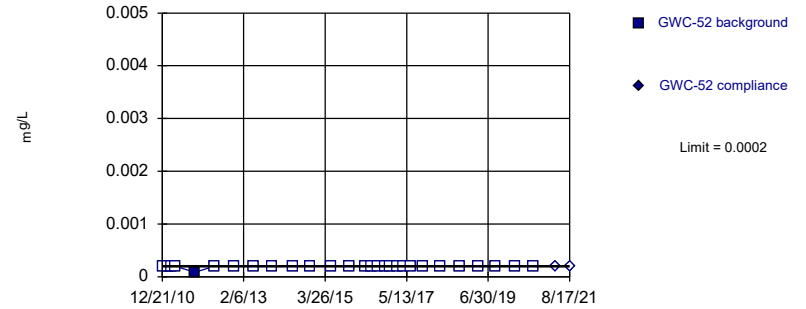


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

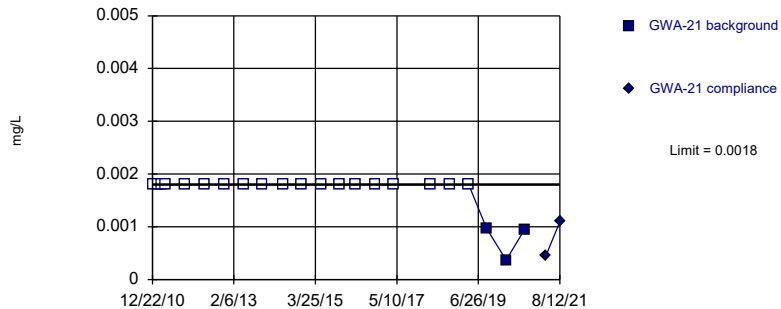


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

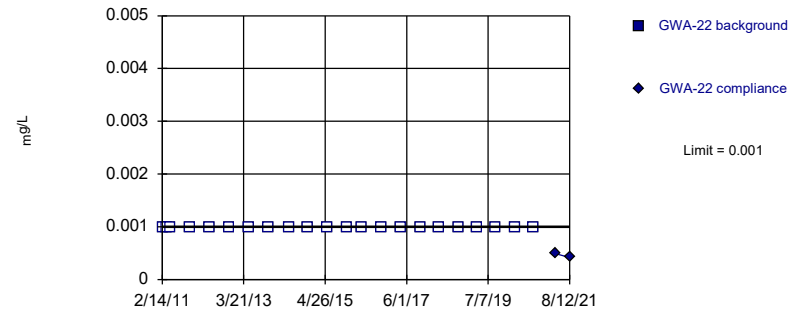


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

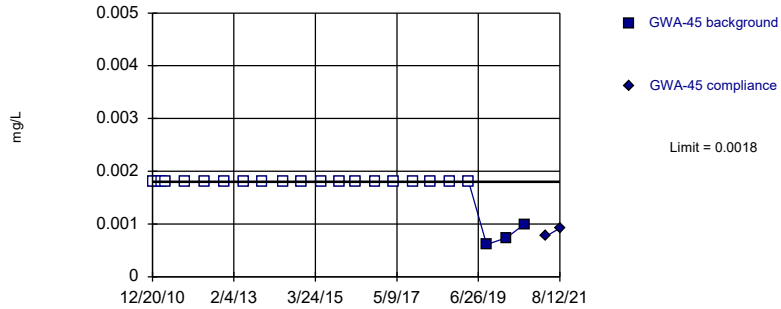


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

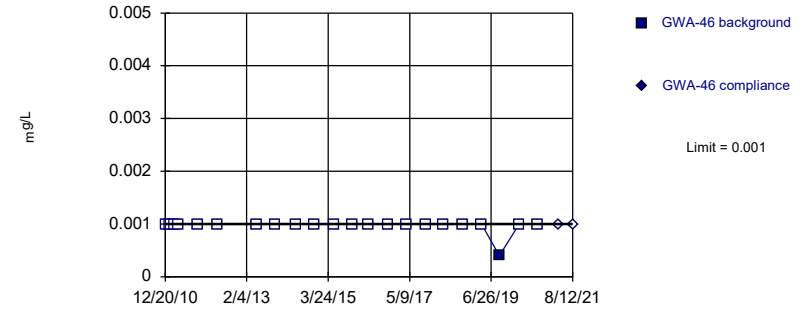


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

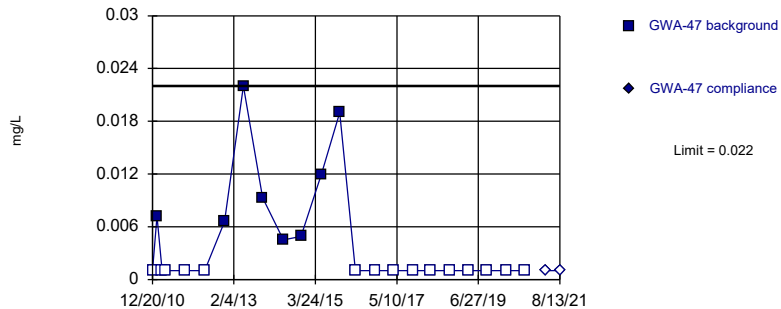


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

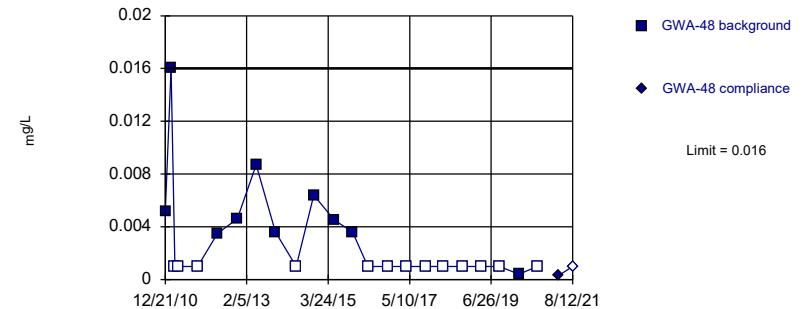


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



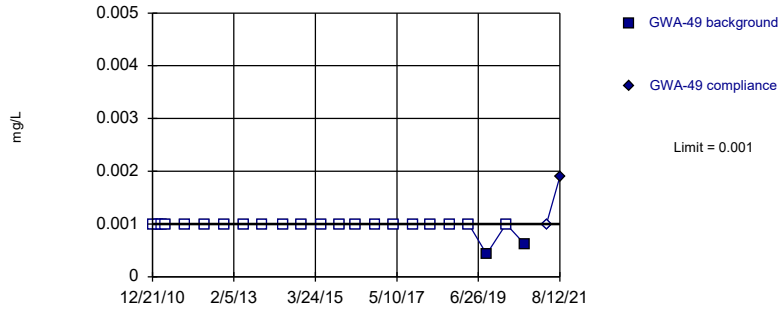
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

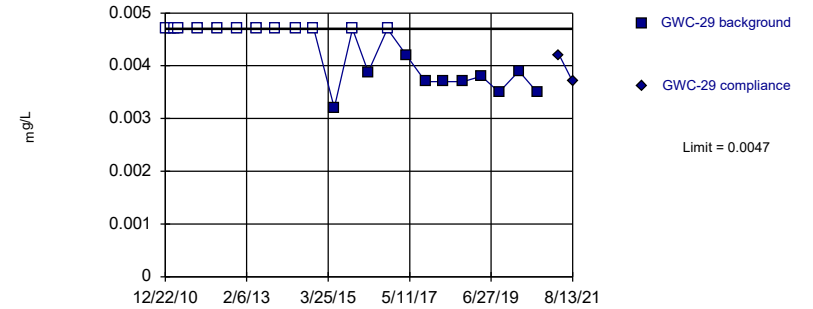


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

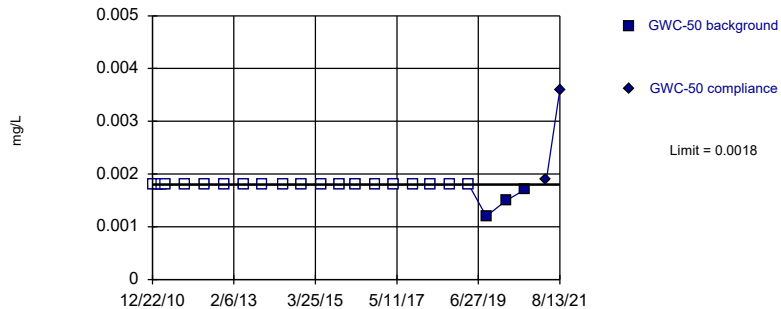


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

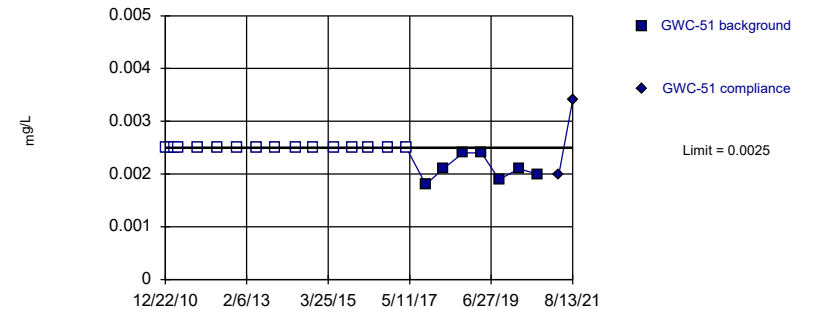


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

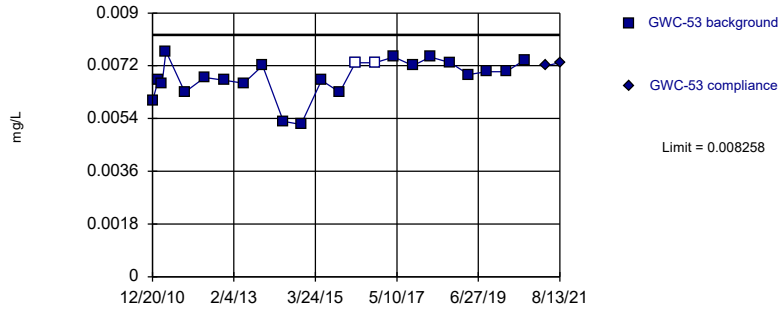


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

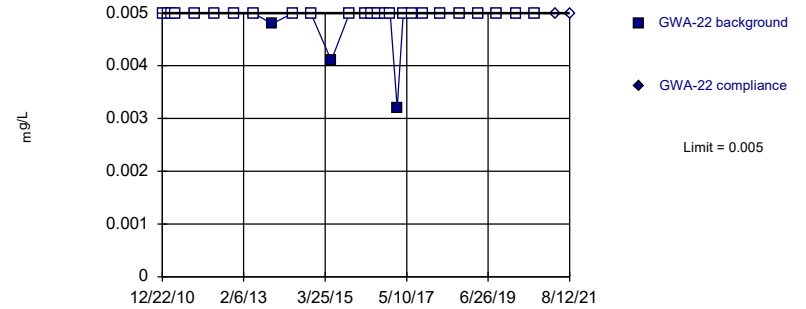


Background Data Summary: Mean=0.006804, Std. Dev.=0.0006526, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9035, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Nickel, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

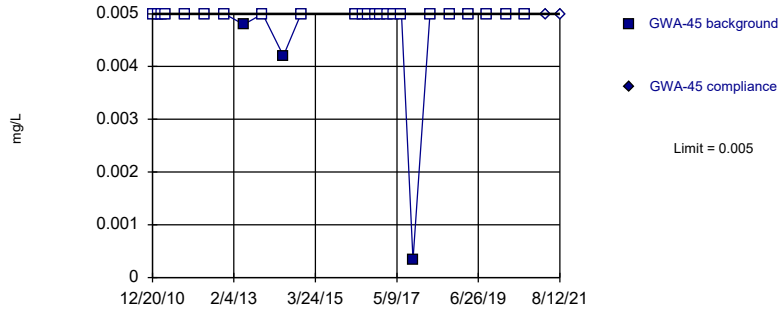


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

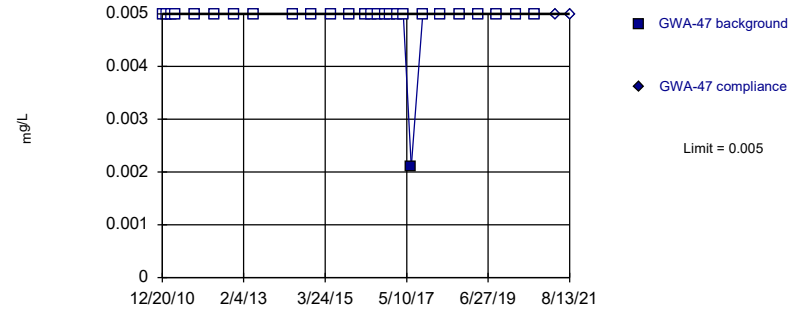


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

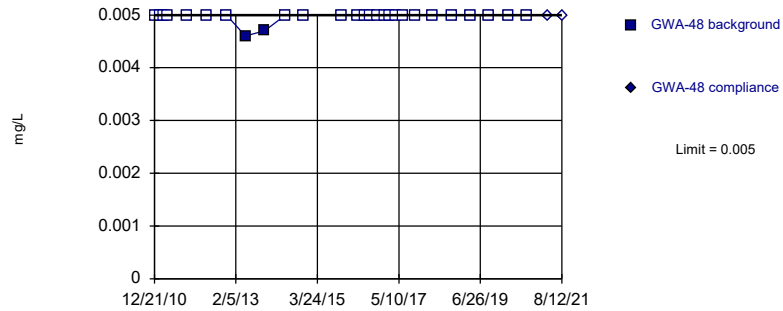


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

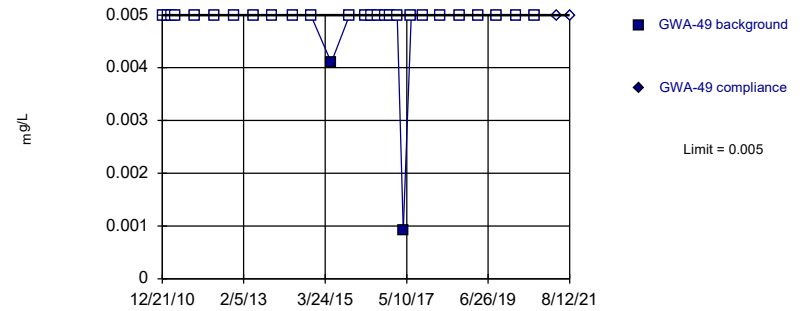


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

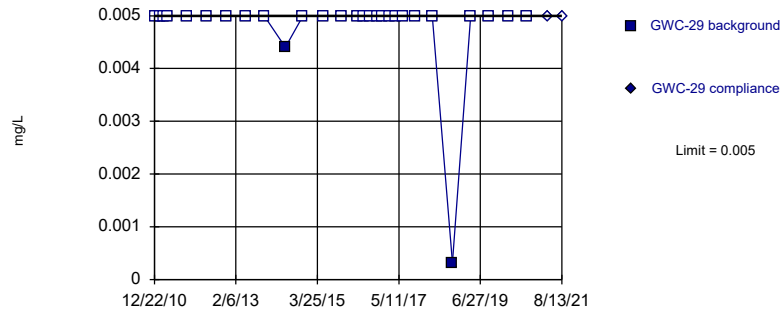


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

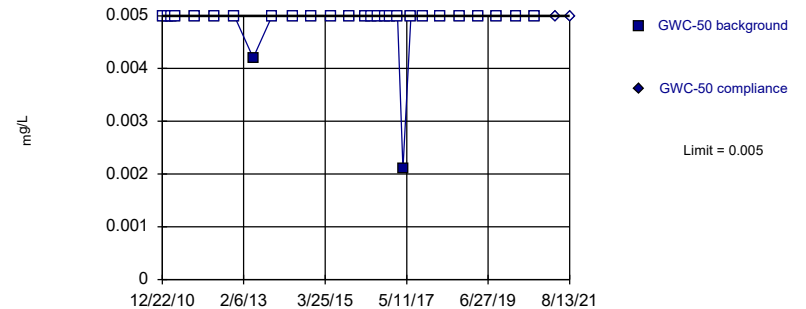


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

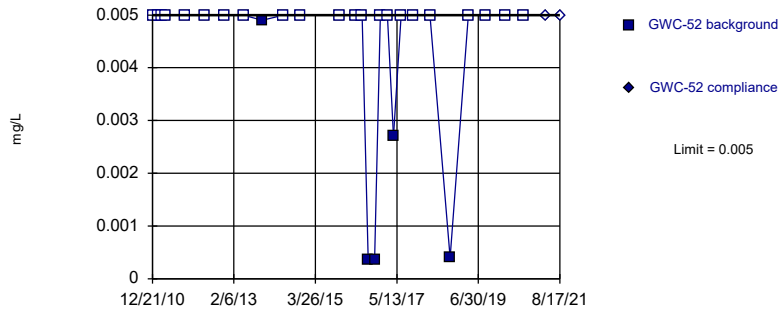


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

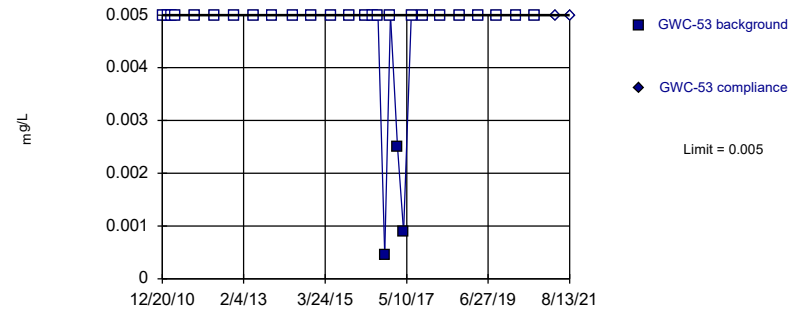


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

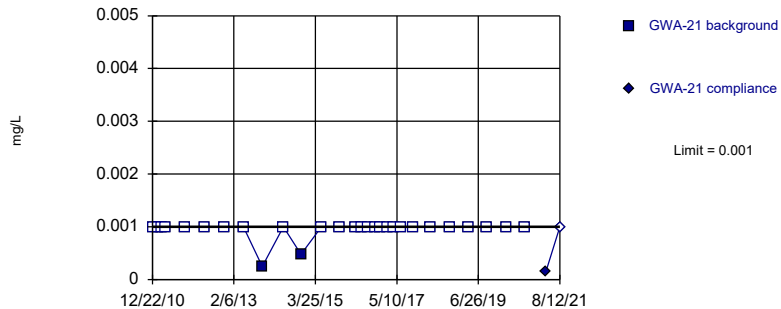


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

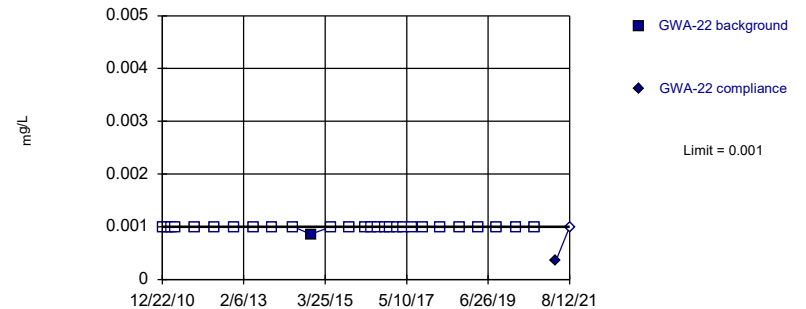


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

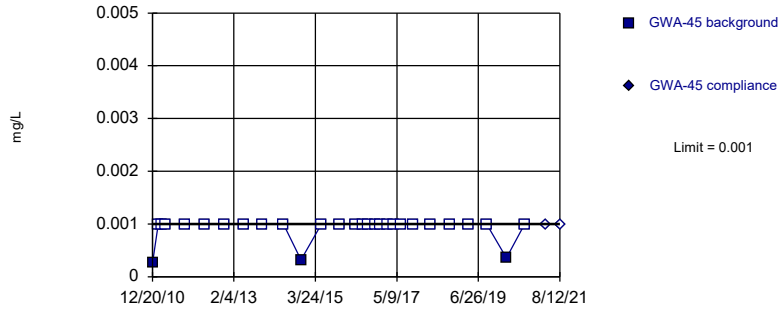


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

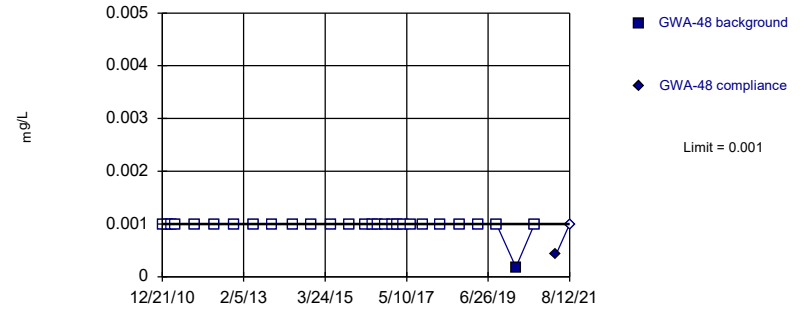


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

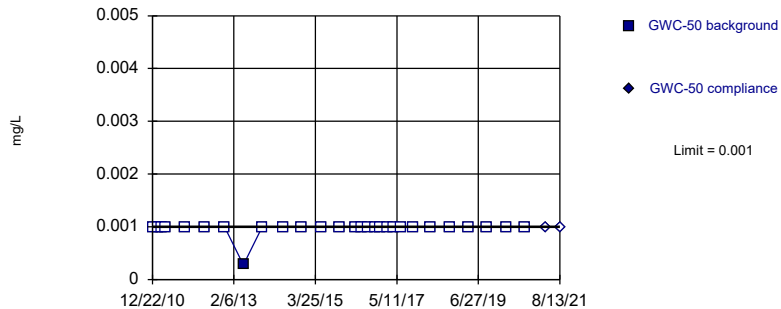


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

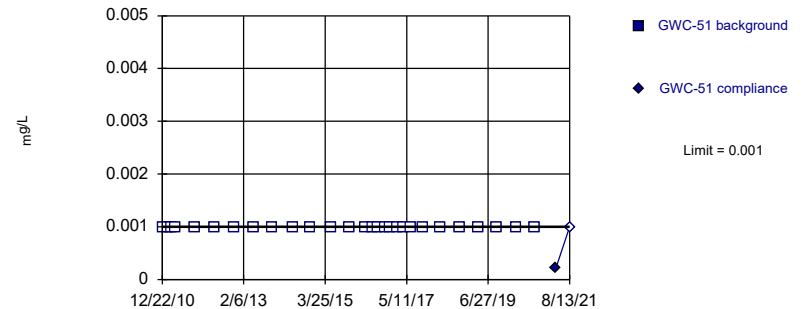


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

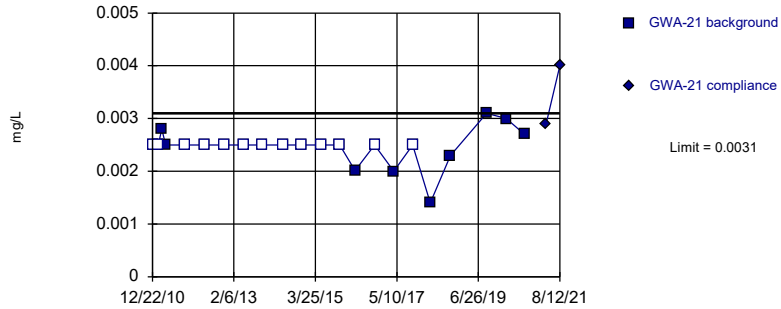


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

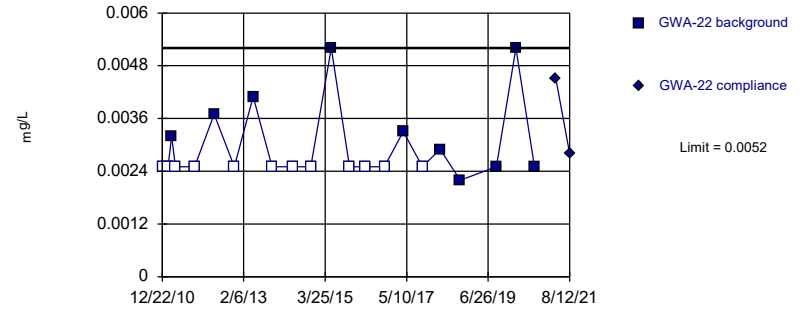


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

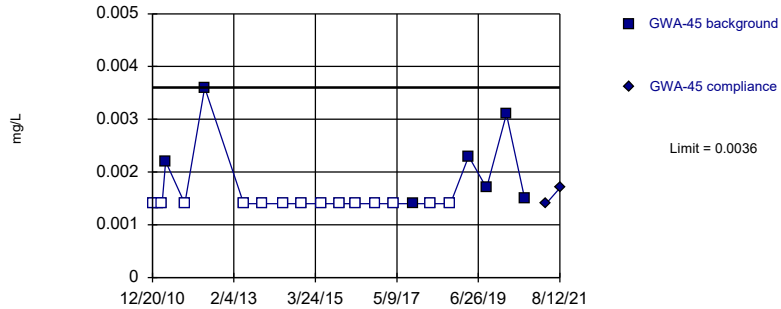


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

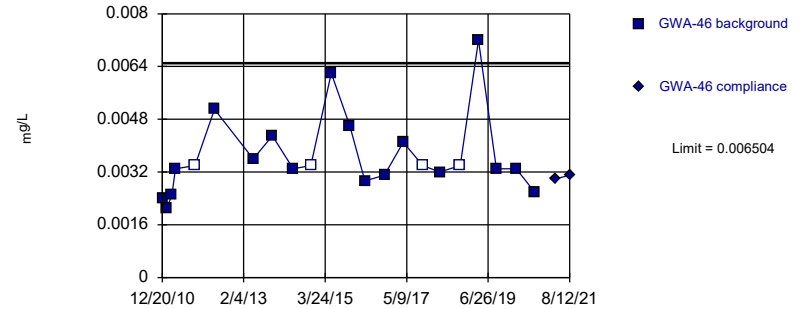


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

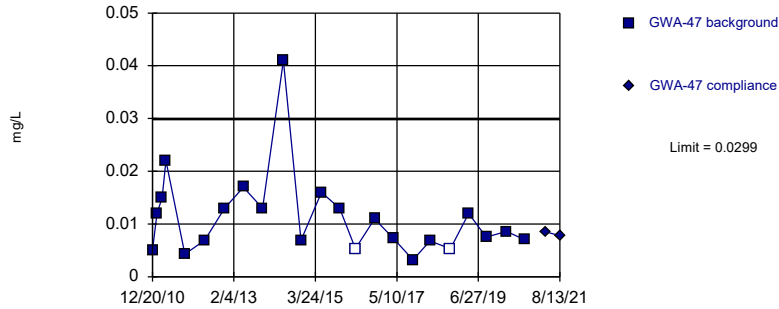


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05801, Std. Dev.=0.01008, n=22, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8906, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

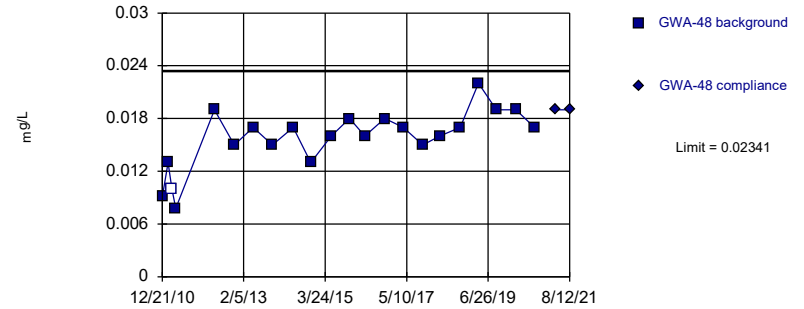


Background Data Summary (based on square root transformation): Mean=0.1014, Std. Dev.=0.03211, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8922, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

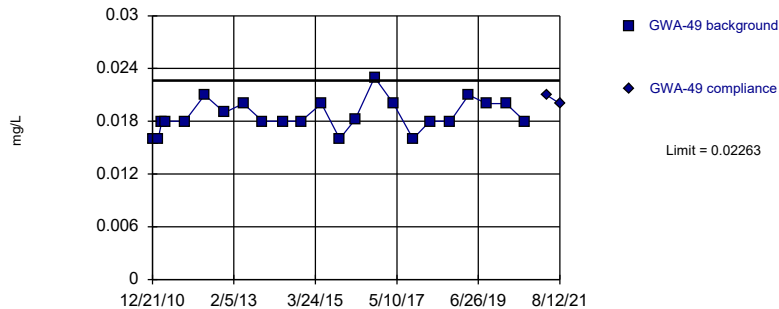


Background Data Summary: Mean=0.01572, Std. Dev.=0.003424, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9221, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

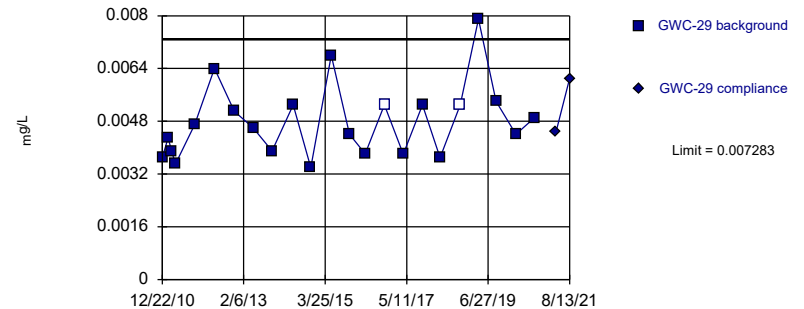


Background Data Summary: Mean=0.01862, Std. Dev.=0.0018, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

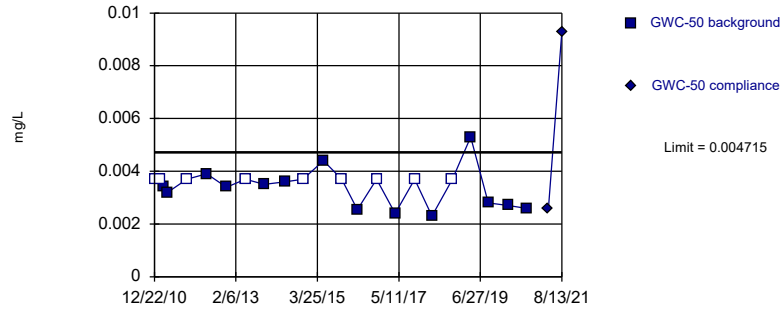


Background Data Summary: Mean=0.004774, Std. Dev.=0.001126, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8977, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

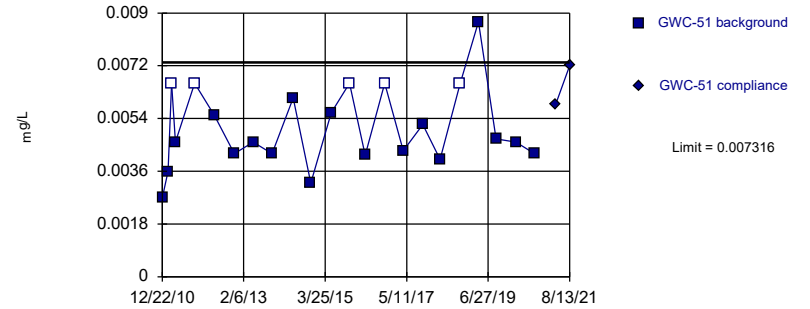


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003096, Std. Dev.=0.0007265, n=23, 39.13% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8898, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

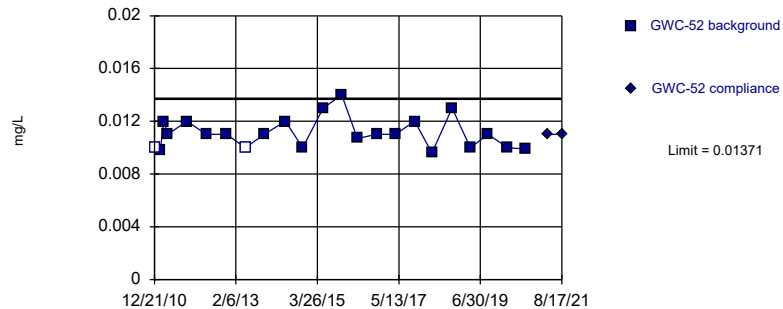


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004446, Std. Dev.=0.001288, n=23, 21.74% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

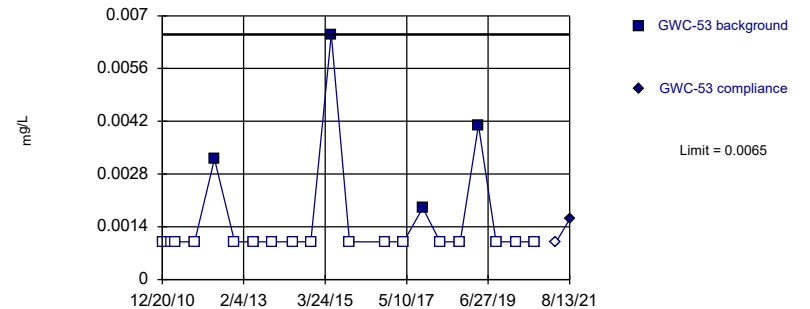


Background Data Summary: Mean=0.01109, Std. Dev.=0.001178, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



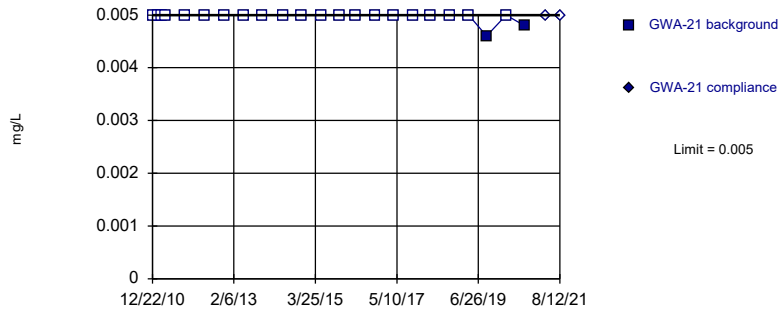
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

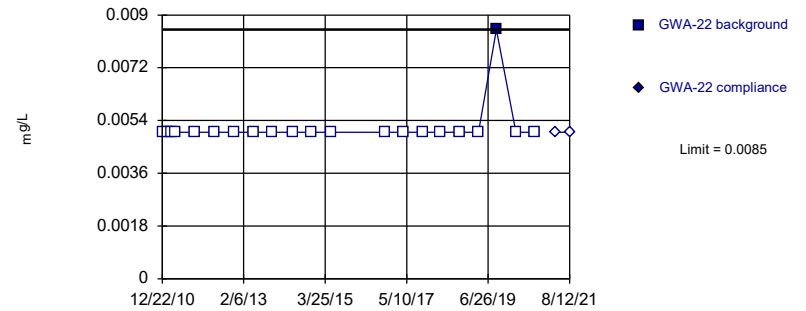


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

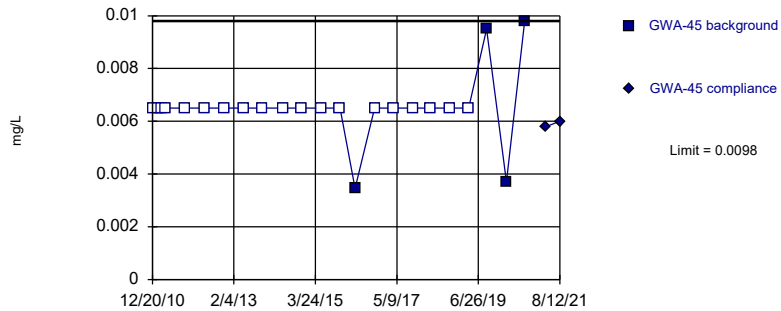


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

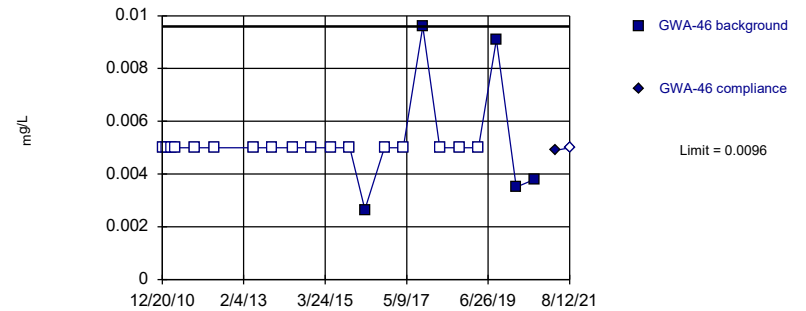


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

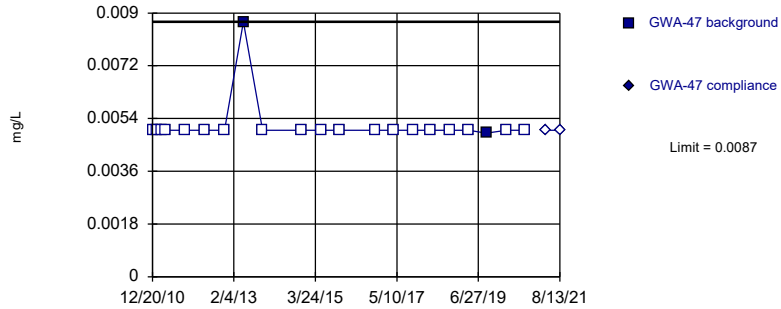


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 77.27% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

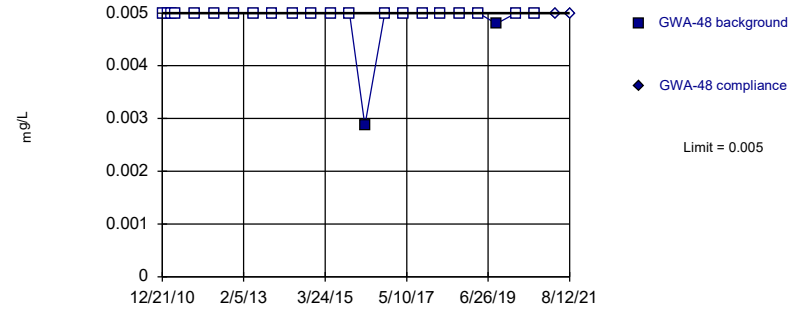


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

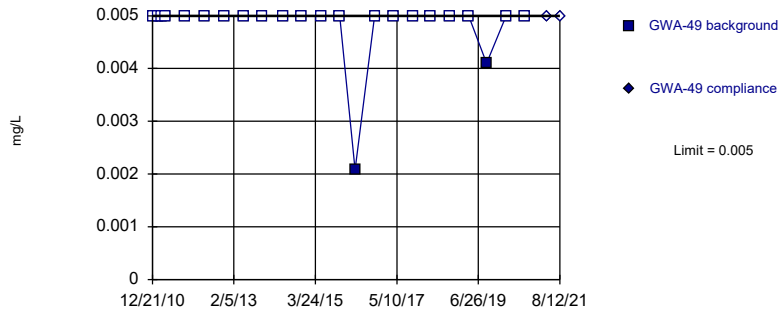


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

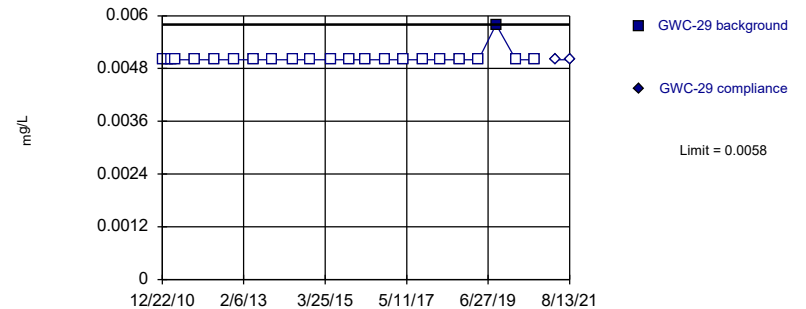


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

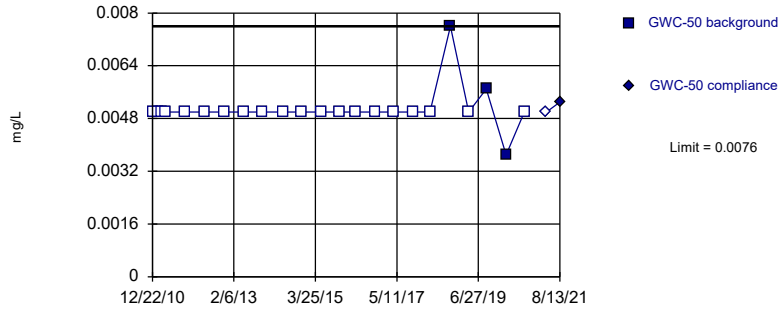


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

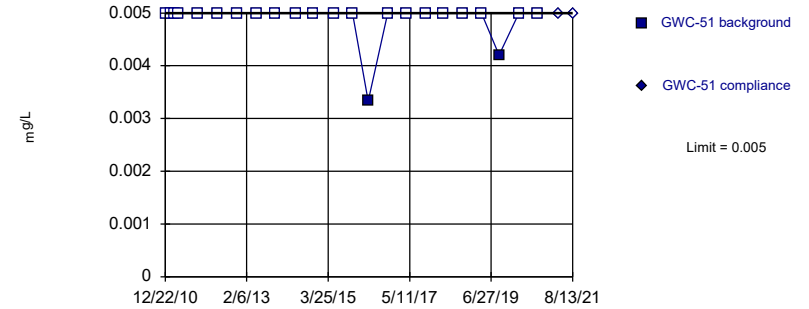


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

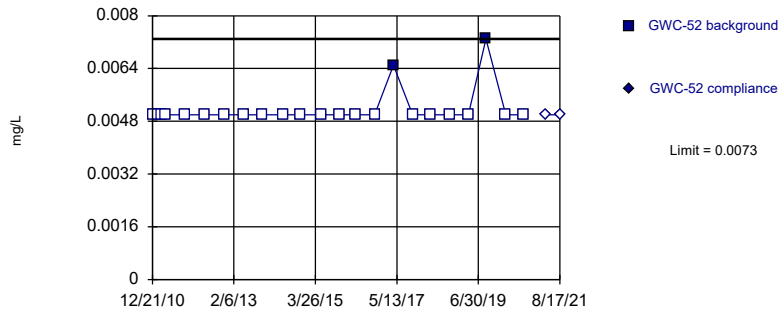


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

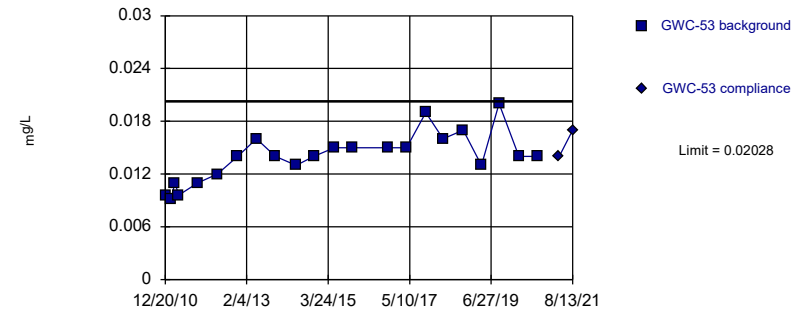


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.01392, Std. Dev.=0.002833, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.958, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Zinc, Total Analysis Run 9/21/2021 9:06 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	0.0015	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/2/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	<0.001	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		0.00031 (J)
8/12/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	0.00053	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/10/2017	0.0013	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/13/2021		<0.001

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	0.00052	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/13/2021		<0.001



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/13/2016	<0.001	
12/6/2016	<0.001	
2/13/2017	0.0011	
4/11/2017	<0.001	
6/24/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/6/2021		<0.001
8/13/2021		<0.001

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	0.026 (J)	
2/14/2011	0.022 (J)	
3/22/2011	0.02 (J)	
4/26/2011	0.019 (J)	
10/27/2011	0.021	
5/1/2012	0.017	
11/8/2012	0.023	
5/7/2013	0.021	
11/4/2013	0.018	
5/24/2014	0.022	
11/8/2014	0.02	
5/21/2015	0.022	
11/13/2015	0.025	
4/6/2016	0.0239	
6/14/2016	0.021	
8/10/2016	0.019	
10/11/2016	0.02	
12/2/2016	0.022	
2/10/2017	0.03	
4/10/2017	0.025	
6/23/2017	0.026	
10/9/2017	0.025	
3/26/2018	0.026	
10/3/2018	0.00049 (O)	
3/27/2019	0.024	
9/12/2019	0.025	
3/19/2020	0.027	
9/10/2020	0.023	
4/2/2021		0.02
8/12/2021		0.023

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	0.028 (J)	
2/14/2011	0.025 (J)	
3/22/2011	0.029 (J)	
4/26/2011	0.031 (J)	
10/27/2011	0.027	
5/1/2012	0.022	
11/8/2012	0.024	
5/7/2013	0.027	
11/4/2013	0.024	
5/24/2014	0.025	
11/8/2014	0.023	
5/21/2015	0.023	
11/13/2015	0.023	
4/8/2016	0.0244	
6/14/2016	0.023	
8/9/2016	0.026	
10/11/2016	0.022	
12/5/2016	0.025	
2/10/2017	0.026	
4/7/2017	0.021	
6/26/2017	0.028	
10/9/2017	0.021	
3/26/2018	0.022 (D)	
10/3/2018	0.022	
3/27/2019	0.022	
9/12/2019	0.023	
3/19/2020	0.024	
9/10/2020	0.022	
4/2/2021		0.023
8/12/2021		0.024

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-45	GWA-45
12/20/2010	0.024 (J)	
2/14/2011	0.023 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.019 (J)	
10/26/2011	0.023	
5/1/2012	0.014	
11/8/2012	0.034	
5/8/2013	0.016	
11/4/2013	0.014	
5/24/2014	0.027	
11/7/2014	0.03	
5/20/2015	0.029	
11/13/2015	0.041	
4/7/2016	0.0381	
6/14/2016	0.034	
8/9/2016	0.032	
10/10/2016	0.037	
12/2/2016	0.038	
2/9/2017	0.048	
4/7/2017	0.045	
6/22/2017	0.049	
10/10/2017	0.044	
3/22/2018	0.0495 (D)	
10/3/2018	0.042	
3/27/2019		0.057
9/12/2019	0.1 (L)	
12/2/2019	0.11 (RL)	
3/19/2020	0.11 (L)	
9/11/2020	0.15 (L)	
4/2/2021		0.11 (L)
8/12/2021		0.091

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	0.019 (J)	
2/1/2011	0.017 (J)	
3/21/2011	0.019 (J)	
4/26/2011	0.02 (J)	
10/27/2011	0.018	
5/2/2012	0.017	
11/8/2012	0.048 (O)	
5/7/2013	0.02	
11/4/2013	0.019	
5/24/2014	0.019	
11/7/2014	0.019	
5/20/2015	0.018	
11/13/2015	0.02	
4/7/2016	0.0207	
6/14/2016	0.019	
8/9/2016	0.017	
10/10/2016	0.02	
12/2/2016	0.02	
2/10/2017	0.018	
4/7/2017	0.02	
6/23/2017	0.021	
10/10/2017	0.018	
3/23/2018	0.02	
10/4/2018	0.019	
3/27/2019	0.021	
9/12/2019	0.022	
3/19/2020	0.023	
9/11/2020	0.022	
4/5/2021		0.022
8/12/2021		0.023

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	0.029 (J)	
2/1/2011	0.038 (J)	
3/23/2011	0.045 (J)	
4/27/2011	0.043 (J)	
10/26/2011	0.023	
5/1/2012	0.021	
11/8/2012	0.038	
5/7/2013	0.042	
11/5/2013	0.039	
5/23/2014	0.088 (O)	
11/7/2014	0.027	
5/21/2015	0.036	
11/12/2015	0.038	
4/8/2016	0.0261	
6/14/2016	0.023	
8/9/2016	0.026	
10/11/2016	0.03	
12/5/2016	0.026	
2/10/2017	0.023	
4/7/2017	0.024	
6/22/2017	0.025	
10/10/2017	0.022	
3/22/2018	0.024	
10/5/2018	0.026	
3/27/2019	0.026	
9/12/2019	0.028	
3/20/2020	0.029	
9/11/2020	0.026	
4/5/2021		0.028
8/13/2021		0.026

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-48	GWA-48
12/21/2010	0.055 (O)	
2/14/2011	0.05 (O)	
3/23/2011	0.031 (J)	
4/27/2011	0.015 (J)	
10/25/2011	0.02	
5/1/2012	0.017	
11/8/2012	0.012	
5/7/2013	0.022	
11/5/2013	0.012	
5/23/2014	0.02	
11/7/2014	0.012	
5/21/2015	0.011	
11/12/2015	0.012	
4/7/2016	0.0116	
6/17/2016	0.012	
8/10/2016	0.012	
10/14/2016	0.016	
12/19/2016	0.012	
2/13/2017	0.017	
4/7/2017	0.011	
6/22/2017	0.014	
10/10/2017	0.012	
3/23/2018	0.012	
10/3/2018	0.012	
3/27/2019	0.013	
9/12/2019	0.016	
3/19/2020	0.02	
9/11/2020	0.013	
4/5/2021		0.015
8/12/2021		0.013

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	0.021 (J)	
2/14/2011	0.021 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.021 (J)	
10/26/2011	0.019	
5/2/2012	0.018	
11/8/2012	0.018	
5/8/2013	0.017	
11/5/2013	0.019	
5/23/2014	0.021	
11/7/2014	0.019	
5/21/2015	0.02	
11/12/2015	0.019	
4/7/2016	0.0201	
6/14/2016	0.017	
8/9/2016	0.017	
10/11/2016	0.02	
12/2/2016	0.02	
2/9/2017	0.018	
4/7/2017	0.018	
6/22/2017	0.02	
10/10/2017	0.02	
3/22/2018	0.018	
10/3/2018	0.018	
3/27/2019	0.019	
9/12/2019	0.022	
3/19/2020	0.02	
9/10/2020	0.02	
4/6/2021		0.02
8/12/2021		0.024



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-29	GWC-29
12/22/2010	0.016 (J)	
2/15/2011	0.016 (J)	
3/22/2011	0.014 (J)	
4/27/2011	0.016 (J)	
10/26/2011	0.015	
5/2/2012	0.012	
11/8/2012	0.015	
5/8/2013	0.014	
11/4/2013	0.016	
5/24/2014	0.015	
11/7/2014	0.016	
5/22/2015	0.015	
11/13/2015	0.016	
4/11/2016	0.0167	
6/15/2016	0.015	
8/10/2016	0.015	
10/11/2016	0.017	
12/5/2016	0.017	
2/13/2017	0.016	
4/10/2017	0.015	
6/23/2017	0.017	
10/10/2017	0.016	
3/26/2018	0.015	
10/4/2018	0.018	
3/28/2019	0.017	
9/12/2019	0.019	
3/19/2020	0.019	
9/10/2020	0.02	
4/6/2021		0.018
8/13/2021		0.021

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-50	GWC-50
12/22/2010	0.011 (J)	
2/15/2011	0.013 (J)	
3/22/2011	0.01 (J)	
4/27/2011	0.011 (J)	
10/26/2011	0.013	
5/2/2012	0.0084 (J)	
11/8/2012	0.012	
5/8/2013	0.013	
11/4/2013	0.012	
5/24/2014	0.012	
11/8/2014	0.01	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.0132	
6/15/2016	0.011	
8/10/2016	0.012	
10/11/2016	0.012	
12/2/2016	0.012	
2/13/2017	0.013	
4/7/2017	0.01	
6/22/2017	0.012	
10/10/2017	0.011	
3/23/2018	0.011	
10/4/2018	0.012	
3/28/2019	0.012	
9/12/2019	0.013	
3/19/2020	0.013	
9/10/2020	0.013	
4/6/2021		0.013
8/13/2021		0.029

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-51
12/22/2010	0.011 (J)	
2/15/2011	0.013 (J)	
3/22/2011	0.01 (J)	
4/27/2011	0.011 (J)	
10/26/2011	0.0099 (J)	
5/2/2012	0.0085 (J)	
11/8/2012	<0.01	
5/8/2013	0.0094 (J)	
11/4/2013	0.0094 (J)	
5/24/2014	0.0094 (J)	
11/7/2014	0.0094 (J)	
5/22/2015	0.0092 (J)	
11/13/2015	0.0095 (J)	
4/11/2016	0.0105	
6/16/2016	0.0089 (J)	
8/10/2016	0.0082	
10/13/2016	0.0088	
12/5/2016	0.01	
2/13/2017	0.0097	
4/10/2017	0.0082	
6/23/2017	0.01	
10/11/2017	0.0092	
3/26/2018	0.0094	
10/4/2018	0.0093	
3/27/2019	0.011	
9/12/2019	0.011	
3/19/2020	0.011	
9/11/2020	0.01	
4/5/2021		0.01
8/13/2021		0.019

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
12/21/2010	0.01 (J)	
2/15/2011	0.0086 (J)	
3/21/2011	0.009 (J)	
4/28/2011	0.012 (J)	
10/26/2011	0.0093 (J)	
5/1/2012	0.0048 (J)	
11/9/2012	0.0091 (J)	
5/8/2013	0.0096 (J)	
11/4/2013	0.012	
5/24/2014	0.011	
11/7/2014	0.011	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.012	
6/16/2016	0.011	
8/11/2016	0.012	
10/13/2016	0.012	
12/5/2016	0.013	
2/13/2017	0.012	
4/11/2017	0.012	
6/24/2017	0.013	
10/11/2017	0.012	
3/26/2018	0.013	
10/4/2018	0.013	
3/28/2019	0.014	
9/12/2019	0.017	
3/19/2020	0.018	
9/11/2020	0.017	
4/5/2021		0.019
8/17/2021		0.02

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
12/20/2010	0.11	
2/14/2011	<0.1	
3/21/2011	<0.1	
4/27/2011	0.091 (J)	
10/26/2011	0.1	
5/1/2012	0.095	
11/9/2012	0.093	
5/8/2013	0.077	
11/4/2013	0.083	
5/24/2014	0.07	
11/7/2014	0.065	
5/20/2015	0.058	
11/13/2015	0.058	
4/8/2016	0.0619	
6/16/2016	0.052	
8/11/2016	0.044	
10/13/2016	0.049	
12/6/2016	0.047	
2/13/2017	0.05	
4/11/2017	0.053	
6/24/2017	0.054	
10/11/2017	0.05	
3/26/2018	0.05	
10/4/2018	0.042	
3/28/2019	0.045	
9/12/2019	0.043	
3/19/2020	0.047	
9/11/2020	0.044	
4/6/2021		0.041
8/13/2021		0.038

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/26/2017	<0.0025	
10/9/2017	<0.0025	
3/26/2018	<0.0025 (D)	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/2/2021		0.00019 (J)
8/12/2021		<0.0025

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	2E-05 (J)	
8/10/2016	<0.0025	
10/13/2016	<0.0025	
12/5/2016	<0.0025	
2/13/2017	<0.0025	
4/10/2017	<0.0025	
6/23/2017	<0.0025	
10/11/2017	<0.0025	
3/26/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		<0.0025
8/13/2021		<0.0025

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	0.0016	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/5/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/20/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		<0.0025
8/13/2021		<0.0025



# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/15/2016	7.4E-05 (J)	
8/10/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	<0.0025	
2/13/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/28/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/6/2021		<0.0025
8/13/2021		<0.0025

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	0.0052	
2/14/2011	0.0057	
3/22/2011	0.0055	
4/26/2011	0.0069	
10/27/2011	0.011	
5/1/2012	0.0056	
11/8/2012	<0.01	
5/7/2013	0.0036 (J)	
11/4/2013	0.0032 (J)	
5/24/2014	0.0043 (J)	
11/8/2014	<0.01	
5/21/2015	0.002 (J)	
11/13/2015	<0.01	
4/6/2016	0.00278 (J)	
6/14/2016	<0.01	
8/10/2016	0.0019 (J)	
10/11/2016	0.0024 (J)	
12/2/2016	0.0023 (J)	
2/10/2017	0.0021 (J)	
4/10/2017	0.002 (J)	
6/23/2017	0.0018 (J)	
10/9/2017	0.0016 (J)	
3/26/2018	0.0011 (J)	
10/3/2018	0.0014 (J)	
3/27/2019	0.003	
9/12/2019	0.0047	
3/19/2020	0.0026	
9/10/2020	0.0019 (J)	
4/2/2021		0.0029
8/12/2021		0.0016 (J)

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:18 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	0.0029 (J)	
2/14/2011	0.0027 (J)	
3/22/2011	0.0049 (J)	
4/26/2011	0.0048 (J)	
10/27/2011	0.0023 (J)	
5/1/2012	0.0051	
11/8/2012	0.0034 (J)	
5/7/2013	0.0078	
11/4/2013	0.0055 (J)	
5/24/2014	0.0075 (J)	
11/8/2014	0.0048 (J)	
5/21/2015	0.0082 (J)	
11/13/2015	0.0079 (J)	
4/8/2016	<0.01	
6/14/2016	<0.01	
8/9/2016	0.0079	
10/11/2016	0.0069	
12/5/2016	0.0077	
2/10/2017	0.0098	
4/7/2017	0.0081	
6/26/2017	0.0084	
10/9/2017	0.0082	
3/26/2018	0.0088	
10/3/2018	0.0086	
3/27/2019	0.0078	
9/12/2019	0.0092	
3/19/2020	0.011	
9/10/2020	0.0077	
4/2/2021		0.01
8/12/2021		0.008

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	0.0036 (J)	
2/1/2011	0.0037 (J)	
3/21/2011	0.004 (J)	
4/26/2011	0.0037 (J)	
10/27/2011	0.0047 (J)	
5/2/2012	0.005 (J)	
11/8/2012	0.0081	
5/7/2013	0.0035 (J)	
11/4/2013	0.0056 (J)	
5/24/2014	0.005 (J)	
11/7/2014	0.004 (J)	
5/20/2015	0.0062 (J)	
11/13/2015	0.0067 (J)	
4/7/2016	0.00467 (J)	
6/14/2016	<0.01	
8/9/2016	0.0041	
10/10/2016	0.0041	
12/2/2016	0.0039	
2/10/2017	0.0044	
4/7/2017	0.0046	
6/23/2017	0.005	
10/10/2017	0.0088	
3/23/2018	0.0045	
10/4/2018	0.0047	
3/27/2019	0.0048	
9/12/2019	0.0051	
3/19/2020	0.0043	
9/11/2020	0.0042	
4/5/2021		0.0041
8/12/2021		0.0045

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	0.0064	
2/1/2011	0.015	
3/23/2011	0.0084	
4/27/2011	0.011	
10/26/2011	0.0061	
5/1/2012	0.0072	
11/8/2012	0.015	
5/7/2013	0.044	
11/5/2013	0.023	
5/23/2014	0.022	
11/7/2014	0.013	
5/21/2015	0.029	
11/12/2015	0.045	
4/8/2016	<0.01	
6/14/2016	<0.01	
8/9/2016	0.008	
10/11/2016	0.0079	
12/5/2016	0.0057	
2/10/2017	0.0062	
4/7/2017	0.0072	
6/22/2017	0.0074	
10/10/2017	0.0072	
3/22/2018	0.0074	
10/5/2018	0.0083	
3/27/2019	0.0081	
9/12/2019	0.0088	
3/20/2020	0.0085	
9/11/2020	0.0081	
4/5/2021		0.0084
8/13/2021		0.0082

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	0.0094	
2/14/2011	0.028	
3/23/2011	0.0042 (J)	
4/27/2011	<0.01	
10/25/2011	0.0062	
5/1/2012	0.011	
11/8/2012	0.0089	
5/7/2013	0.019	
11/5/2013	0.0057 (J)	
5/23/2014	0.0084 (J)	
11/7/2014	0.011	
5/21/2015	0.013	
11/12/2015	0.015	
4/7/2016	0.00498 (J)	
6/17/2016	<0.01	
8/10/2016	0.0047	
10/14/2016	0.0056	
12/19/2016	0.0039	
2/13/2017	0.0059	
4/7/2017	0.0051	
6/22/2017	0.005	
10/10/2017	0.005	
3/23/2018	0.005	
10/3/2018	0.0051	
3/27/2019	0.0051	
9/12/2019	0.0085	
3/19/2020	0.0063	
9/11/2020	0.0053	
4/5/2021		0.0061
8/12/2021		0.0058

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	0.0073	
2/14/2011	0.0051	
3/21/2011	0.0067	
4/26/2011	0.0065	
10/26/2011	0.0068	
5/2/2012	0.011	
11/8/2012	0.0052	
5/8/2013	0.0059	
11/5/2013	0.0044 (J)	
5/23/2014	0.0087 (J)	
11/7/2014	0.0048 (J)	
5/21/2015	0.006 (J)	
11/12/2015	0.007 (J)	
4/7/2016	0.0056 (J)	
6/14/2016	<0.01	
8/9/2016	0.0053	
10/11/2016	0.0058	
12/2/2016	0.0071	
2/9/2017	0.0051	
4/7/2017	0.006	
6/22/2017	0.0056	
10/10/2017	0.0073	
3/22/2018	0.0051	
10/3/2018	0.0052	
3/27/2019	0.0056	
9/12/2019	0.0075	
3/19/2020	0.0055	
9/10/2020	0.0063	
4/6/2021		0.0055
8/12/2021		0.0096

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	0.0026 (J)	
2/15/2011	<0.002	
3/22/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	0.0027 (J)	
5/24/2014	0.0027 (J)	
11/7/2014	<0.002	
5/22/2015	0.0034 (J)	
11/13/2015	0.0038 (J)	
4/11/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	0.0014 (J)	
10/11/2016	0.0017 (J)	
12/5/2016	0.0014 (J)	
2/13/2017	0.0016 (J)	
4/10/2017	0.0014 (J)	
6/23/2017	0.0014 (J)	
10/10/2017	0.0039	
3/26/2018	0.0013 (J)	
10/4/2018	0.0014 (J)	
3/28/2019	0.0012 (J)	
9/12/2019	0.0021 (J)	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002
8/13/2021		<0.002



# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	0.0034 (J)	
2/15/2011	0.0034 (J)	
3/22/2011	0.0037 (J)	
4/27/2011	0.0038 (J)	
10/26/2011	0.0039 (J)	
5/2/2012	0.0044 (J)	
11/8/2012	0.0026 (J)	
5/8/2013	0.0038 (J)	
11/4/2013	0.0063 (J)	
5/24/2014	0.0061 (J)	
11/8/2014	<0.01	
5/22/2015	0.0037 (J)	
11/13/2015	0.0055 (J)	
4/11/2016	0.00479 (J)	
6/15/2016	<0.01	
8/10/2016	0.0047	
10/11/2016	0.0048	
12/2/2016	0.0043	
2/13/2017	0.0047	
4/7/2017	0.0044	
6/22/2017	0.0045	
10/10/2017	0.005	
3/23/2018	0.0042	
10/4/2018	0.005	
3/28/2019	0.0043	
9/12/2019	0.006	
3/19/2020	0.0047	
9/10/2020	0.0047	
4/6/2021		0.0044
8/13/2021		0.0089

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-51
12/22/2010	0.0036 (J)	
2/15/2011	0.0038 (J)	
3/22/2011	0.0022 (J)	
4/27/2011	0.0042 (J)	
10/26/2011	0.0042 (J)	
5/2/2012	0.0037 (J)	
11/8/2012	<0.01	
5/8/2013	0.0032 (J)	
11/4/2013	0.0063 (J)	
5/24/2014	0.003 (J)	
11/7/2014	<0.01	
5/22/2015	0.0023 (J)	
11/13/2015	0.0042 (J)	
4/11/2016	0.00309 (J)	
6/16/2016	<0.01	
8/10/2016	0.0023 (J)	
10/13/2016	0.0028	
12/5/2016	0.0032	
2/13/2017	0.0021 (J)	
4/10/2017	0.0022 (J)	
6/23/2017	0.0025	
10/11/2017	0.0027	
3/26/2018	0.0028	
10/4/2018	0.0041	
3/27/2019	0.0044	
9/12/2019	0.0043	
3/19/2020	0.0032	
9/11/2020	0.0041	
4/5/2021		0.0054
8/13/2021		0.0087

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
12/21/2010	0.01	
2/15/2011	0.0087	
3/21/2011	0.0083	
4/28/2011	0.0076	
10/26/2011	0.0078	
5/1/2012	0.0049 (J)	
11/9/2012	0.0066	
5/8/2013	0.0082	
11/4/2013	0.013	
5/24/2014	0.012	
11/7/2014	0.0084 (J)	
5/22/2015	0.0096 (J)	
11/13/2015	0.011	
4/11/2016	0.0101	
6/16/2016	<0.01	
8/11/2016	0.0097	
10/13/2016	0.012	
12/5/2016	0.012	
2/13/2017	0.011	
4/11/2017	0.011	
6/24/2017	0.0095	
10/11/2017	0.0096	
3/26/2018	0.012	
10/4/2018	0.016	
3/28/2019		0.019
9/12/2019		0.027
3/19/2020		0.029
9/11/2020		0.028
4/5/2021		0.031
8/17/2021		0.034

# Prediction Limit

Constituent: Chromium, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
12/20/2010	<0.002	
2/14/2011	<0.002	
3/21/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	0.0033 (J)	
5/1/2012	0.0025 (J)	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	0.0035 (J)	
5/24/2014	0.0027 (J)	
11/7/2014	<0.002	
5/20/2015	0.0021 (J)	
11/13/2015	0.0041 (J)	
4/8/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	0.0013 (J)	
10/13/2016	0.0018 (J)	
12/6/2016	0.0014 (J)	
2/13/2017	0.0021 (J)	
4/11/2017	0.0012 (J)	
6/24/2017	0.0017 (J)	
10/11/2017	0.0013 (J)	
3/26/2018	0.0014 (J)	
10/4/2018	<0.002	
3/28/2019	<0.002	
9/12/2019	0.002 (J)	
3/19/2020	<0.002	
9/11/2020	0.0023	
4/6/2021		<0.002
8/13/2021		0.0019 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	<0.0004	
2/14/2011	<0.0004	
3/22/2011	<0.0004	
4/26/2011	<0.0004	
10/27/2011	<0.0004	
5/1/2012	<0.0004	
11/8/2012	<0.0004	
5/7/2013	<0.0004	
11/4/2013	<0.0004	
5/24/2014	<0.0004	
11/8/2014	<0.0004	
5/21/2015	<0.0004	
11/13/2015	<0.0004	
4/6/2016	<0.0004	
6/14/2016	6.6E-05 (J)	
8/10/2016	<0.0004	
10/11/2016	0.00047 (J)	
12/2/2016	0.0014 (J)	
2/10/2017	0.00052 (J)	
4/10/2017	<0.0004	
6/23/2017	<0.0004	
10/9/2017	0.00053 (J)	
3/26/2018	0.00088 (J)	
10/3/2018	0.0014 (J)	
3/27/2019	<0.0004	
9/12/2019	0.0004 (J)	
3/19/2020	0.00015 (J)	
9/10/2020	0.00019 (J)	
4/2/2021		0.00016 (J)
8/12/2021		0.00028 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-22	GWA-22
12/22/2010	0.0038 (O)	
2/14/2011	<0.0025	
3/22/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	0.00042 (J)	
8/9/2016	0.00068 (J)	
10/11/2016	<0.0025	
12/5/2016	0.0012 (J)	
2/10/2017	0.0013 (J)	
4/7/2017	<0.0025	
6/26/2017	0.00073 (J)	
10/9/2017	<0.0025	
3/26/2018	<0.0025 (D)	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	0.00014 (J)	
4/2/2021		0.00026 (J)
8/12/2021		0.00015 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-45	GWA-45
12/20/2010	0.012	
2/14/2011	0.0093 (J)	
3/21/2011	0.0076 (J)	
4/26/2011	0.0058 (J)	
10/26/2011	0.005 (J)	
5/1/2012	0.0032 (J)	
11/8/2012	0.0034 (J)	
5/8/2013	<0.01	
11/4/2013	<0.01	
5/24/2014	<0.01	
11/7/2014	<0.01	
5/20/2015	<0.01	
11/13/2015	<0.01	
4/7/2016	<0.01	
6/14/2016	0.0031 (J)	
8/9/2016	0.0023 (J)	
10/10/2016	0.0024 (J)	
12/2/2016	0.0021 (J)	
2/9/2017	0.00096 (J)	
4/7/2017	0.0034	
6/22/2017	0.0029	
10/10/2017	0.0025	
3/22/2018	0.0015 (JD)	
10/3/2018	0.0018 (J)	
3/27/2019	0.00083 (J)	
9/12/2019	0.0018 (J)	
3/19/2020	0.0005 (J)	
9/11/2020	0.0035	
4/2/2021		0.002 (J)
8/12/2021		0.0024 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/20/2015	<0.0025	
11/13/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
10/10/2016	<0.0025	
12/2/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/23/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	9.5E-05 (J)	
3/19/2020	0.00025 (J)	
9/11/2020	<0.0025	
4/5/2021		<0.0025
8/12/2021		<0.0025



# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	0.0033 (O)	
2/1/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	0.0048 (O)	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	4.2E-05 (J)	
8/9/2016	<0.0025	
10/11/2016	0.00052 (J)	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/5/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00011 (J)	
3/20/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		0.00017 (J)
8/13/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/25/2011	<0.0025	
5/1/2012	0.0039 (O)	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/17/2016	0.00017 (J)	
8/10/2016	<0.0025	
10/14/2016	<0.0025	
12/19/2016	<0.0025	
2/13/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	0.00029 (J)	
9/11/2020	<0.0025	
4/5/2021		0.00019 (J)
8/12/2021		<0.0025

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	0.0004 (J)	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00017 (J)	
3/19/2020	<0.0025	
9/10/2020	0.0002 (J)	
4/6/2021		<0.0025
8/12/2021		0.00072 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/11/2016	<0.0025	
12/5/2016	<0.0025	
2/13/2017	<0.0025	
4/10/2017	<0.0025	
6/23/2017	<0.0025	
10/10/2017	<0.0025	
3/26/2018	<0.0025	
10/4/2018	<0.0025	
3/28/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/6/2021		<0.0025
8/13/2021		0.00015 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	<0.0025	
2/13/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/28/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/6/2021		<0.0025
8/13/2021		0.00074 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/10/2016	<0.0025	
10/13/2016	<0.0025	
12/5/2016	<0.0025	
2/13/2017	<0.0025	
4/10/2017	<0.0025	
6/23/2017	<0.0025	
10/11/2017	<0.0025	
3/26/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00012 (J)	
3/19/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		0.0002 (J)
8/13/2021		0.00059 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-53	GWC-53
12/20/2010	0.0051 (J)	
2/14/2011	0.0038 (J)	
3/21/2011	0.0037 (J)	
4/27/2011	<0.01	
10/26/2011	0.0046 (J)	
5/1/2012	0.0043 (J)	
11/9/2012	0.007 (J)	
5/8/2013	0.0047 (J)	
11/4/2013	0.0096 (J)	
5/24/2014	0.0097 (J)	
11/7/2014	0.012	
5/20/2015	0.011	
11/13/2015	0.013	
4/8/2016	<0.01	
6/16/2016	0.0062 (J)	
8/11/2016	0.0092	
10/13/2016	0.0045	
12/6/2016	0.0043	
2/13/2017	0.011	
4/11/2017	0.012	
6/24/2017	0.011	
10/11/2017	0.016	
3/26/2018	0.0069	
10/4/2018	0.016	
3/28/2019	0.011	
9/12/2019	0.011	
3/19/2020	0.0083	
9/11/2020	0.002 (J)	
4/6/2021		0.0062
8/13/2021		0.015

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	<0.002	
2/14/2011	<0.002	
3/22/2011	<0.002	
4/26/2011	<0.002	
10/27/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	<0.002	
5/7/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/8/2014	<0.002	
5/21/2015	0.0028 (O)	
11/13/2015	<0.002	
4/6/2016	<0.002	
10/11/2016	<0.002	
4/10/2017	<0.002	
10/9/2017	<0.002	
3/26/2018	<0.002	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	0.0023	
4/2/2021		<0.002
8/12/2021		0.00066 (J)



# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.002	
2/14/2011	<0.002	
3/22/2011	<0.002	
4/26/2011	<0.002	
10/27/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	<0.002	
5/7/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/8/2014	<0.002	
5/21/2015	0.003 (J)	
11/13/2015	0.078 (O)	
4/8/2016	<0.002	
10/11/2016	<0.002	
4/7/2017	<0.002	
10/9/2017	<0.002	
3/26/2018	<0.002 (D)	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/2/2021		<0.002
8/12/2021		<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	0.0021 (J)	
2/14/2011	<0.002	
3/21/2011	<0.002	
4/26/2011	<0.002	
10/26/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	0.0034 (J)	
5/8/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/7/2014	0.002 (J)	
5/20/2015	0.0024 (J)	
11/13/2015	<0.002	
4/7/2016	<0.002	
10/10/2016	<0.002	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/22/2018	<0.002 (D)	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	0.00072 (J)	
9/11/2020	0.002	
4/2/2021		<0.002
8/12/2021		<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	0.0065 (J)	
2/1/2011	0.018	
3/23/2011	0.022	
4/27/2011	0.02	
10/26/2011	0.0025 (J)	
5/1/2012	0.0022 (J)	
11/8/2012	0.015	
5/7/2013	0.02	
11/5/2013	0.014	
5/23/2014	0.06 (O)	
11/7/2014	0.0032 (J)	
5/21/2015	0.017 (JV)	
11/12/2015	0.01 (J)	
4/8/2016	<0.002	
10/11/2016	0.0051	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/22/2018	<0.002	
10/5/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/20/2020	0.0011 (J)	
9/11/2020	<0.002	
4/5/2021		0.0019 (J)
8/13/2021		<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	0.0084 (J)	
2/14/2011	0.013 (O)	
3/23/2011	0.0061 (J)	
4/27/2011	<0.002	
10/25/2011	<0.002	
5/1/2012	0.0027 (J)	
11/8/2012	<0.002	
5/7/2013	0.0039 (J)	
11/5/2013	<0.002	
5/23/2014	0.0029 (J)	
11/7/2014	<0.002	
5/21/2015	0.0031 (J)	
11/12/2015	<0.002	
4/7/2016	<0.002	
10/14/2016	0.0024 (J)	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/23/2018	<0.002	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	0.00083 (J)	
3/19/2020	0.0022	
9/11/2020	<0.002	
4/5/2021		0.00093 (J)
8/12/2021		<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.002	
2/14/2011	<0.002	
3/21/2011	<0.002	
4/26/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	<0.002	
5/23/2014	<0.002	
11/7/2014	<0.002	
5/21/2015	<0.002	
11/12/2015	<0.002	
4/7/2016	<0.002	
10/11/2016	<0.002	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/22/2018	<0.002	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002
8/12/2021		0.0031

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.002	
2/15/2011	<0.002	
3/22/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	0.0031 (O)	
11/13/2015	<0.002	
4/11/2016	<0.002	
10/11/2016	<0.002	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/23/2018	<0.002	
10/4/2018	<0.002	
3/28/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002
8/13/2021		0.0046

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
12/22/2010	<0.002	
2/15/2011	<0.002	
3/22/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/7/2014	<0.002	
5/22/2015	<0.002	
11/13/2015	<0.002	
4/11/2016	<0.002	
10/13/2016	<0.002	
4/10/2017	<0.002	
10/11/2017	<0.002	
3/26/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/11/2020	0.0013 (J)	
4/5/2021		<0.002
8/13/2021		0.0025

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	<0.001	
2/14/2011	0.0028 (J)	
3/22/2011	0.0021 (J)	
4/26/2011	0.003 (J)	
10/27/2011	0.0028 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0044 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/21/2015	0.0032 (J)	
11/13/2015	<0.001	
4/6/2016	<0.001	
6/14/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/10/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.0022	
4/2/2021		<0.001
8/12/2021		<0.001



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	0.0025 (J)	
10/27/2011	0.0033 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0048 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	0.0021 (J)	
5/21/2015	0.002 (J)	
11/13/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/26/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00018 (J)
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	<0.001	
2/14/2011	0.0024 (J)	
3/21/2011	<0.001	
4/26/2011	0.0027 (J)	
10/26/2011	0.0026 (J)	
5/1/2012	<0.001	
11/8/2012	0.0023 (J)	
5/8/2013	0.0026 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.005 (J)	
11/13/2015	0.0031 (J)	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00019 (J)	
9/11/2020	0.0016	
4/2/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	<0.001	
2/1/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	0.0024 (J)	
10/27/2011	0.0025 (J)	
5/2/2012	<0.001	
11/8/2012	0.003 (J)	
5/7/2013	0.0029 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.0037 (J)	
11/13/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/23/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	<0.001	
2/1/2011	0.0027 (J)	
3/23/2011	0.0041 (J)	
4/27/2011	0.0054	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	0.0022 (J)	
5/7/2013	0.0062	
11/5/2013	<0.001	
5/23/2014	0.0026 (J)	
11/7/2014	0.0022 (J)	
5/21/2015	0.0049 (J)	
11/12/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	0.00096 (J)	
10/5/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/20/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001
8/13/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	0.0029 (J)	
3/23/2011	0.0028 (J)	
4/27/2011	0.0038 (J)	
10/25/2011	0.0043 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0064	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	0.0026 (J)	
5/21/2015	0.0038 (J)	
11/12/2015	0.0021 (J)	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.0002 (J)	
9/11/2020	<0.001	
4/5/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	0.0032 (J)	
3/21/2011	0.0038 (J)	
4/26/2011	0.0046 (J)	
10/26/2011	0.0024 (J)	
5/2/2012	<0.001	
11/8/2012	0.0021 (J)	
5/8/2013	0.006	
11/5/2013	0.0023 (J)	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	0.0062 (J)	
11/12/2015	0.0035 (J)	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	<0.001	
2/15/2011	0.0021 (J)	
3/22/2011	0.0027 (J)	
4/27/2011	0.0024 (J)	
10/26/2011	0.0021 (J)	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.0035 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	0.0038 (J)	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/10/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/13/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.001	
2/15/2011	0.0028 (J)	
3/22/2011	0.0022 (J)	
4/27/2011	0.0033 (J)	
10/26/2011	0.0028 (J)	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.0043 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0042 (J)	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/13/2021		0.00054 (J)



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
12/22/2010	<0.001	
2/15/2011	0.0032 (J)	
3/22/2011	0.0024 (J)	
4/27/2011	0.0033 (J)	
10/26/2011	0.0023 (J)	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.0035 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	0.0035 (J)	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
10/13/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/11/2017	0.00041 (J)	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	0.0015	
4/5/2021		<0.001
8/13/2021		0.00022 (J)

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
12/21/2010	<0.001	
2/15/2011	0.0034 (J)	
3/21/2011	0.004 (J)	
4/28/2011	0.0036 (J)	
10/26/2011	0.0038 (J)	
5/1/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0059	
11/4/2013	0.0027 (J)	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	0.006 (J)	
11/13/2015	0.0024 (J)	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/13/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/11/2017	<0.001	
6/24/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	0.0034 (o)	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001
8/17/2021		<0.001

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-53	GWC-53
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.0026 (O)	
11/13/2015	<0.001	
4/8/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/13/2016	<0.001	
12/6/2016	<0.001	
2/13/2017	<0.001	
4/11/2017	<0.001	
6/24/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/6/2021		<0.001
8/13/2021		0.00017 (J)

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	<0.0002	
2/14/2011	<0.0002	
3/22/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/21/2015	<0.0002	
11/13/2015	<0.0002	
4/6/2016	<0.0002	
6/14/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/10/2017	<0.0002	
4/10/2017	<0.0002	
6/23/2017	<0.0002	
10/9/2017	8.7E-05 (J)	
3/26/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.0002	
2/14/2011	<0.0002	
3/22/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/21/2015	<0.0002	
11/13/2015	<0.0002	
4/8/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/26/2017	<0.0002	
10/9/2017	8.7E-05 (J)	
3/26/2018	<0.0002 (D)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-45	GWA-45
12/20/2010	<0.0002	
2/14/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/26/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/20/2015	<0.0002	
11/13/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/10/2016	<0.0002	
12/2/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.9E-05 (J)	
3/22/2018	<0.0002 (D)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/2/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	<0.0002	
2/1/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	0.00011 (J)	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/20/2015	<0.0002	
11/13/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/10/2016	<0.0002	
12/2/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/23/2017	<0.0002	
10/10/2017	8.8E-05 (J)	
3/23/2018	<0.0002	
10/4/2018	<0.0002	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	<0.0002	
2/1/2011	<0.0002	
3/23/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	8.1E-05 (J)	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/8/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	9.2E-05 (J)	
3/22/2018	<0.0002	
10/5/2018	<0.0002	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/20/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002
8/13/2021		<0.0002



# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	<0.0002	
2/14/2011	<0.0002	
3/23/2011	<0.0002	
4/27/2011	<0.0002	
10/25/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	8.4E-05 (J)	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/7/2016	<0.0002	
6/17/2016	<0.0002	
8/10/2016	<0.0002	
10/14/2016	<0.0002	
12/19/2016	<0.0002	
2/13/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	9.2E-05 (J)	
3/23/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.0002	
2/14/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.8E-05 (J)	
3/22/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002
8/12/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	<0.0002	
2/15/2011	<0.0002	
3/22/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/13/2017	<0.0002	
4/10/2017	<0.0002	
6/23/2017	<0.0002	
10/10/2017	9.1E-05 (J)	
3/26/2018	<0.0002	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002
8/13/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-50	GWC-50
12/22/2010	<0.0002	
2/15/2011	<0.0002	
3/22/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/13/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.9E-05 (J)	
3/23/2018	<0.0002 (X)	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002
8/13/2021		<0.0002

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
12/21/2010	<0.0002	
2/15/2011	<0.0002	
3/21/2011	<0.0002	
4/28/2011	<0.0002	
10/26/2011	8.2E-05	
5/1/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/13/2016	<0.0002	
12/5/2016	<0.0002	
2/13/2017	<0.0002	
4/11/2017	<0.0002	
6/24/2017	<0.0002	
10/11/2017	<0.0002	
3/26/2018	<0.0002	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002
8/17/2021		<0.0002

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	<0.0018	
2/14/2011	<0.0018	
3/22/2011	<0.0018	
4/26/2011	<0.0018	
10/27/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/7/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/21/2015	<0.0018	
11/13/2015	<0.0018	
4/6/2016	<0.0018	
10/11/2016	<0.0018	
4/10/2017	<0.0018	
10/9/2017	0.0024 (O)	
3/26/2018	<0.0018	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/12/2019	0.00097 (J)	
3/19/2020	0.00037 (J)	
9/10/2020	0.00095 (J)	
4/2/2021		0.00046 (J)
8/12/2021		0.0011

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	0.003 (O)	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/8/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00049 (J)
8/12/2021		0.00042 (J)

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	<0.0018	
2/14/2011	<0.0018	
3/21/2011	<0.0018	
4/26/2011	<0.0018	
10/26/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/7/2014	<0.0018	
5/20/2015	<0.0018	
11/13/2015	<0.0018	
4/7/2016	<0.0018	
10/10/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/22/2018	<0.0018 (D)	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/12/2019	0.00061 (J)	
3/19/2020	0.00074 (J)	
9/11/2020	0.001	
4/2/2021		0.00077 (J)
8/12/2021		0.00092 (J)



# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	<0.001	
2/1/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	0.0035 (O)	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
10/10/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	0.0004 (J)	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	<0.001	
2/1/2011	0.0072	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	0.0066	
5/7/2013	0.022	
11/5/2013	0.0093	
5/23/2014	0.0045 (J)	
11/7/2014	0.0049 (J)	
5/21/2015	0.012	
11/12/2015	0.019	
4/8/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/5/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/20/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001
8/13/2021		<0.001

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	0.0052	
2/14/2011	0.016	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	0.0035 (J)	
11/8/2012	0.0046 (J)	
5/7/2013	0.0087	
11/5/2013	0.0036 (J)	
5/23/2014	<0.001	
11/7/2014	0.0064	
5/21/2015	0.0045 (J)	
11/12/2015	0.0036 (J)	
4/7/2016	<0.001	
10/14/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.0004 (J)	
9/11/2020	<0.001	
4/5/2021		0.00034 (J)
8/12/2021		<0.001

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	0.00043 (J)	
3/19/2020	<0.001	
9/10/2020	0.00062 (J)	
4/6/2021		<0.001
8/12/2021		0.0019

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	<0.0047	
2/15/2011	<0.0047	
3/22/2011	<0.0047	
4/27/2011	<0.0047	
10/26/2011	<0.0047	
5/2/2012	<0.0047	
11/8/2012	<0.0047	
5/8/2013	<0.0047	
11/4/2013	<0.0047	
5/24/2014	<0.0047	
11/7/2014	<0.0047	
5/22/2015	0.0032 (J)	
11/13/2015	<0.0047	
4/11/2016	0.00388 (J)	
10/11/2016	<0.0047	
4/10/2017	0.0042	
10/10/2017	0.0037	
3/26/2018	0.0037	
10/4/2018	0.0037	
3/28/2019	0.0038	
9/12/2019	0.0035	
3/19/2020	0.0039	
9/10/2020	0.0035	
4/6/2021		0.0042
8/13/2021		0.0037

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.0018	
2/15/2011	<0.0018	
3/22/2011	<0.0018	
4/27/2011	<0.0018	
10/26/2011	<0.0018	
5/2/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/22/2015	<0.0018	
11/13/2015	<0.0018	
4/11/2016	<0.0018	
10/11/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/23/2018	<0.0018	
10/4/2018	<0.0018	
3/28/2019	<0.0018	
9/12/2019	0.0012	
3/19/2020	0.0015	
9/10/2020	0.0017	
4/6/2021		0.0019
8/13/2021		0.0036

# Prediction Limit

Constituent: Nickel, T Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
10/13/2016	<0.0025	
4/10/2017	<0.0025	
10/11/2017	0.0018 (J)	
3/26/2018	0.0021 (J)	
10/4/2018	0.0024 (J)	
3/27/2019	0.0024 (J)	
9/12/2019	0.0019	
3/19/2020	0.0021	
9/11/2020	0.002	
4/5/2021		0.002
8/13/2021		0.0034

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
12/20/2010	0.006	
2/14/2011	0.0067	
3/21/2011	0.0066	
4/27/2011	0.0077	
10/26/2011	0.0063	
5/1/2012	0.0068	
11/9/2012	0.0067	
5/8/2013	0.0066	
11/4/2013	0.0072	
5/24/2014	0.0053	
11/7/2014	0.0052	
5/20/2015	0.0067	
11/13/2015	0.0063	
4/8/2016	<0.0073	
10/13/2016	<0.0073	
4/11/2017	0.0075	
10/11/2017	0.0072	
3/26/2018	0.0075	
10/4/2018	0.0073	
3/28/2019	0.0069	
9/12/2019	0.007	
3/19/2020	0.007	
9/11/2020	0.0074	
4/6/2021		0.0072
8/13/2021		0.0073



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	0.0048	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	0.0041	
11/13/2015	<0.005	
4/8/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/10/2017	0.0032	
4/7/2017	<0.005	
6/26/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	0.0048	
11/4/2013	<0.005	
5/24/2014	0.0042	
11/7/2014	<0.005	
5/20/2015	0.0093 (O)	
11/13/2015	0.0061 (O)	
4/7/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/10/2016	<0.005	
12/2/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/10/2017	0.00033 (J)	
3/22/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/2/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	<0.005	
2/1/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/5/2013	0.0064 (O)	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/8/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/10/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	0.0021	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/5/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/20/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005
8/13/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	<0.005	
2/14/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/25/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	0.0046	
11/5/2013	0.0047	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	0.0077 (O)	
11/12/2015	<0.005	
4/7/2016	<0.005	
6/17/2016	<0.005	
8/10/2016	<0.005	
10/14/2016	<0.005	
12/19/2016	<0.005	
2/13/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	0.0041	
11/12/2015	<0.005	
4/7/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/2/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	0.00092 (J)	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	0.0044	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/13/2017	<0.005	
4/10/2017	<0.005	
6/23/2017	<0.005	
10/10/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	0.00032 (J)	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005
8/13/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	0.0042	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/11/2016	<0.005	
12/2/2016	<0.005	
2/13/2017	<0.005	
4/7/2017	0.0021	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005
8/13/2021		<0.005

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
12/21/2010	<0.005	
2/15/2011	<0.005	
3/21/2011	<0.005	
4/28/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	0.0049	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	0.0067 (O)	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	0.00036 (J)	
10/13/2016	0.00035 (J)	
12/5/2016	<0.005	
2/13/2017	<0.005	
4/11/2017	0.0027	
6/24/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	0.0004 (J)	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005
8/17/2021		<0.005



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
12/20/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/20/2015	<0.005	
11/13/2015	<0.005	
4/8/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/13/2016	0.00046 (J)	
12/6/2016	<0.005	
2/13/2017	0.0025	
4/11/2017	0.00089 (J)	
6/24/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/6/2021		<0.005
8/13/2021		<0.005

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21	GWA-21
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	0.00025 (J)	
5/24/2014	<0.001	
11/8/2014	0.00048	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/6/2016	<0.001	
6/14/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/10/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00016 (J)
8/12/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	0.00086	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/26/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00036 (J)
8/12/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	0.00026 (J)	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	0.00032	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00036 (J)	
9/11/2020	<0.001	
4/2/2021		<0.001
8/12/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	<0.001	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00018 (J)	
9/11/2020	<0.001	
4/5/2021		0.00043 (J)
8/12/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.00028	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001
8/13/2021		<0.001

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
10/13/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		0.00022 (J)
8/13/2021		<0.001

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0028 (J)	
4/26/2011	0.0025 (J)	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/6/2016	0.00201 (J)	
10/11/2016	<0.0025	
4/10/2017	0.002 (J)	
10/9/2017	<0.0025	
3/26/2018	0.0014 (J)	
10/3/2018	0.0023 (J)	
3/27/2019	0.0072 (O)	
9/12/2019	0.0031	
3/19/2020	0.003	
9/10/2020	0.0027	
4/2/2021		0.0029
8/12/2021		0.004



# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0032 (J)	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	0.0037 (J)	
11/8/2012	<0.0025	
5/7/2013	0.0041 (J)	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	0.0052 (J)	
11/13/2015	<0.0025	
4/8/2016	<0.0025 (D)	
10/11/2016	<0.0025	
4/7/2017	0.0033	
10/9/2017	<0.0025	
3/26/2018	0.0029	
10/3/2018	0.0022 (J)	
3/27/2019	0.0071 (O)	
9/12/2019	0.0025	
3/19/2020	0.0052	
9/10/2020	0.0025	
4/2/2021		0.0045
8/12/2021		0.0028

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	<0.0014	
2/14/2011	<0.0014	
3/21/2011	<0.0014	
4/26/2011	0.0022 (J)	
10/26/2011	<0.0014	
5/1/2012	0.0036 (J)	
11/8/2012	0.0062 (O)	
5/8/2013	<0.0014	
11/4/2013	<0.0014	
5/24/2014	<0.0014	
11/7/2014	<0.0014	
5/20/2015	<0.0014	
11/13/2015	<0.0014	
4/7/2016	<0.0014	
10/10/2016	<0.0014	
4/7/2017	<0.0014	
10/10/2017	0.0014 (J)	
3/22/2018	<0.0014 (D)	
10/3/2018	<0.0014	
3/27/2019	0.0023 (J)	
9/12/2019	0.0017	
3/19/2020	0.0031	
9/11/2020	0.0015	
4/2/2021		0.0014
8/12/2021		0.0017

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	0.0024 (J)	
2/1/2011	0.0021 (J)	
3/21/2011	0.0025 (J)	
4/26/2011	0.0033 (J)	
10/27/2011	<0.0034	
5/2/2012	0.0051 (J)	
11/8/2012	0.02 (O)	
5/7/2013	0.0036 (J)	
11/4/2013	0.0043 (J)	
5/24/2014	0.0033 (J)	
11/7/2014	<0.0034	
5/20/2015	0.0062 (J)	
11/13/2015	0.0046 (J)	
4/7/2016	0.00293 (J)	
10/10/2016	0.0031	
4/7/2017	0.0041	
10/10/2017	<0.0034	
3/23/2018	0.0032	
10/4/2018	<0.0034 (X)	
3/27/2019	0.0072	
9/12/2019	0.0033	
3/19/2020	0.0033	
9/11/2020	0.0026	
4/5/2021		0.003
8/12/2021		0.0031

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	0.0051 (J)	
2/1/2011	0.012	
3/23/2011	0.015	
4/27/2011	0.022	
10/26/2011	0.0043 (J)	
5/1/2012	0.0069 (J)	
11/8/2012	0.013	
5/7/2013	0.017	
11/5/2013	0.013	
5/23/2014	0.041	
11/7/2014	0.0069 (J)	
5/21/2015	0.016	
11/12/2015	0.013	
4/8/2016	<0.0053 (D)	
10/11/2016	0.011	
4/7/2017	0.0073	
10/10/2017	0.0032	
3/22/2018	0.0068	
10/5/2018	<0.0053 (X)	
3/27/2019	0.012	
9/12/2019	0.0075	
3/20/2020	0.0086	
9/11/2020	0.007	
4/5/2021		0.0085
8/13/2021		0.0078

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	0.0091 (J)	
2/14/2011	0.013	
3/23/2011	<0.01	
4/27/2011	0.0078 (J)	
10/25/2011	0.012 (O)	
5/1/2012	0.019	
11/8/2012	0.015	
5/7/2013	0.017	
11/5/2013	0.015	
5/23/2014	0.017	
11/7/2014	0.013	
5/21/2015	0.016	
11/12/2015	0.018	
4/7/2016	0.016	
10/14/2016	0.018	
4/7/2017	0.017	
10/10/2017	0.015	
3/23/2018	0.016	
10/3/2018	0.017	
3/27/2019	0.022	
9/12/2019	0.019	
3/19/2020	0.019	
9/11/2020	0.017	
4/5/2021		0.019
8/12/2021		0.019

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	0.016	
2/14/2011	0.016	
3/21/2011	0.018	
4/26/2011	0.018	
10/26/2011	0.018	
5/2/2012	0.021	
11/8/2012	0.019	
5/8/2013	0.02	
11/5/2013	0.018	
5/23/2014	0.018	
11/7/2014	0.018	
5/21/2015	0.02	
11/12/2015	0.016	
4/7/2016	0.0182	
10/11/2016	0.023	
4/7/2017	0.02	
10/10/2017	0.016	
3/22/2018	0.018	
10/3/2018	0.018	
3/27/2019	0.021	
9/12/2019	0.02	
3/19/2020	0.02	
9/10/2020	0.018	
4/6/2021		0.021
8/12/2021		0.02

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	0.0037 (J)	
2/15/2011	0.0043 (J)	
3/22/2011	0.0039 (J)	
4/27/2011	0.0035 (J)	
10/26/2011	0.0047 (J)	
5/2/2012	0.0064 (J)	
11/8/2012	0.0051 (J)	
5/8/2013	0.0046 (J)	
11/4/2013	0.0039 (J)	
5/24/2014	0.0053 (J)	
11/7/2014	0.0034 (J)	
5/22/2015	0.0068 (J)	
11/13/2015	0.0044 (J)	
4/11/2016	0.00381 (J)	
10/11/2016	<0.0053	
4/10/2017	0.0038	
10/10/2017	0.0053	
3/26/2018	0.0037	
10/4/2018	<0.0053 (X)	
3/28/2019	0.0079	
9/12/2019	0.0054	
3/19/2020	0.0044	
9/10/2020	0.0049	
4/6/2021		0.0045
8/13/2021		0.0061

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.0037	
2/15/2011	<0.0037	
3/22/2011	0.0034 (J)	
4/27/2011	0.0032 (J)	
10/26/2011	<0.0037	
5/2/2012	0.0039 (J)	
11/8/2012	0.0034 (J)	
5/8/2013	<0.0037	
11/4/2013	0.0035 (J)	
5/24/2014	0.0036 (J)	
11/8/2014	<0.0037	
5/22/2015	0.0044 (J)	
11/13/2015	<0.0037	
4/11/2016	0.00254 (J)	
10/11/2016	<0.0037	
4/7/2017	0.0024 (J)	
10/10/2017	<0.0037	
3/23/2018	0.0023 (J)	
10/4/2018	<0.0037 (X)	
3/28/2019	0.0053	
9/12/2019	0.0028	
3/19/2020	0.0027	
9/10/2020	0.0026	
4/6/2021		0.0026
8/13/2021		0.0093



# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
12/22/2010	0.0027 (J)	
2/15/2011	0.0036 (J)	
3/22/2011	<0.0066	
4/27/2011	0.0046 (J)	
10/26/2011	<0.0066	
5/2/2012	0.0055 (J)	
11/8/2012	0.0042 (J)	
5/8/2013	0.0046 (J)	
11/4/2013	0.0042 (J)	
5/24/2014	0.0061 (J)	
11/7/2014	0.0032 (J)	
5/22/2015	0.0056 (J)	
11/13/2015	<0.0066	
4/11/2016	0.00415 (J)	
10/13/2016	<0.0066	
4/10/2017	0.0043	
10/11/2017	0.0052	
3/26/2018	0.004	
10/4/2018	<0.0066 (X)	
3/27/2019	0.0087	
9/12/2019	0.0047	
3/19/2020	0.0046	
9/11/2020	0.0042	
4/5/2021		0.0059
8/13/2021		0.0072

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
12/21/2010	<0.01	
2/15/2011	0.0098 (J)	
3/21/2011	0.012	
4/28/2011	0.011	
10/26/2011	0.012	
5/1/2012	0.011	
11/9/2012	0.011	
5/8/2013	<0.01	
11/4/2013	0.011	
5/24/2014	0.012	
11/7/2014	0.01	
5/22/2015	0.013	
11/13/2015	0.014	
4/11/2016	0.0107	
10/13/2016	0.011	
4/11/2017	0.011	
10/11/2017	0.012	
3/26/2018	0.0096	
10/4/2018	0.013	
3/28/2019	0.01	
9/12/2019	0.011	
3/19/2020	0.01	
9/11/2020	0.0099	
4/5/2021		0.011
8/17/2021		0.011

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	0.0032 (J)	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.0065	
11/13/2015	<0.001	
4/8/2016	0.0136 (O)	
10/13/2016	<0.001	
4/11/2017	<0.001	
10/11/2017	0.0019 (J)	
3/26/2018	<0.001	
10/4/2018	<0.001 (X)	
3/28/2019	0.0041	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/6/2021		<0.001
8/13/2021		0.0016

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	<0.005	
4/6/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0046 (J)	
3/19/2020	<0.005	
9/10/2020	0.0048 (J)	
4/2/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	0.039 (O)	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0085	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
12/20/2010	<0.0065	
2/14/2011	<0.0065	
3/21/2011	<0.0065	
4/26/2011	<0.0065	
10/26/2011	<0.0065	
5/1/2012	<0.0065	
11/8/2012	<0.0065	
5/8/2013	<0.0065	
11/4/2013	<0.0065	
5/24/2014	<0.0065	
11/7/2014	<0.0065	
5/20/2015	<0.0065	
11/13/2015	<0.0065	
4/7/2016	0.00345 (J)	
10/10/2016	<0.0065	
4/7/2017	<0.0065	
10/10/2017	<0.0065	
3/22/2018	<0.0065 (D)	
10/3/2018	<0.0065	
3/27/2019	<0.0065	
9/12/2019	0.0095	
3/19/2020	0.0037 (J)	
9/11/2020	0.0098	
4/2/2021		0.0058
8/12/2021		0.006

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
12/20/2010	<0.005	
2/1/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	0.013 (O)	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/20/2015	<0.005	
11/13/2015	<0.005	
4/7/2016	0.00265 (J)	
10/10/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	0.0096 (J)	
3/23/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0091	
3/19/2020	0.0035 (J)	
9/11/2020	0.0038 (J)	
4/5/2021		0.0049 (J)
8/12/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
12/20/2010	<0.005	
2/1/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	0.0087	
11/5/2013	<0.005	
5/23/2014	0.014 (O)	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/5/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0049 (J)	
3/20/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005
8/13/2021		<0.005



# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
12/21/2010	<0.005	
2/14/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/25/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/7/2016	0.00287 (J)	
10/14/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0048 (J)	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
12/21/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/7/2016	0.00208 (J)	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0041 (J)	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005
8/12/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/10/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	0.0058	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005
8/13/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/4/2018	0.0076	
3/28/2019	<0.005	
9/12/2019	0.0057	
3/19/2020	0.0037 (J)	
9/10/2020	<0.005	
4/6/2021		<0.005
8/13/2021		0.0053

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	0.00333 (J)	
10/13/2016	<0.005	
4/10/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0042 (J)	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005
8/13/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
12/21/2010	<0.005	
2/15/2011	<0.005	
3/21/2011	<0.005	
4/28/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/13/2016	<0.005	
4/11/2017	0.0065 (J)	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	0.0073	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005
8/17/2021		<0.005

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 9/21/2021 9:19 AM View: PL's App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
12/20/2010	0.0095 (J)	
2/14/2011	0.0092 (J)	
3/21/2011	0.011 (J)	
4/27/2011	0.0096 (J)	
10/26/2011	0.011 (J)	
5/1/2012	0.012 (J)	
11/9/2012	0.014 (J)	
5/8/2013	0.016 (J)	
11/4/2013	0.014 (J)	
5/24/2014	0.013 (J)	
11/7/2014	0.014 (J)	
5/20/2015	0.015 (J)	
11/13/2015	0.015 (J)	
10/13/2016	0.015 (J)	
4/11/2017	0.015 (J)	
10/11/2017	0.019 (J)	
3/26/2018	0.016 (J)	
10/4/2018	0.017 (J)	
3/28/2019	0.013 (J)	
9/12/2019	0.02	
3/19/2020	0.014	
9/11/2020	0.014	
4/6/2021		0.014
8/13/2021		0.017

FIGURE E.



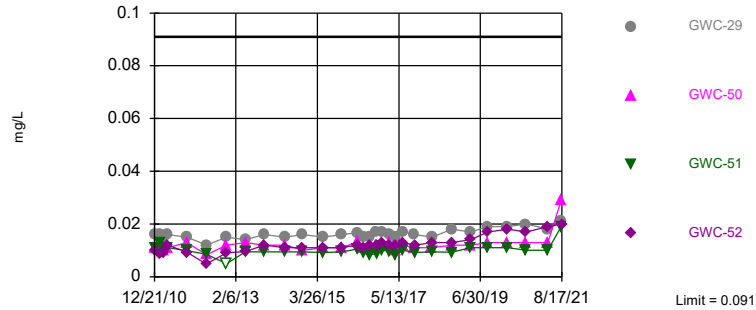
# Interwell Appendix I Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 9:46 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-29	0.091	n/a	8/13/2021	0.021	No	201	n/a	n/a	0	n/a	n/a	n/a	0.0000492	NP (normality) 1 of 2
Barium, Total (mg/L)	GWC-50	0.091	n/a	8/13/2021	0.029	No	201	n/a	n/a	0	n/a	n/a	n/a	0.0000492	NP (normality) 1 of 2
Barium, Total (mg/L)	GWC-51	0.091	n/a	8/13/2021	0.019	No	201	n/a	n/a	0	n/a	n/a	n/a	0.0000492	NP (normality) 1 of 2
Barium, Total (mg/L)	GWC-52	0.091	n/a	8/17/2021	0.02	No	201	n/a	n/a	0	n/a	n/a	n/a	0.0000492	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWC-50	0.045	n/a	8/13/2021	0.0089	No	208	n/a	n/a	19.23	n/a	n/a	n/a	0.0000492	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWC-51	0.045	n/a	8/13/2021	0.0087	No	208	n/a	n/a	19.23	n/a	n/a	n/a	0.0000492	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	8/17/2021	0.034	No	208	n/a	n/a	19.23	n/a	n/a	n/a	0.0000492	NP (normality) 1 of 2
Copper, Total (mg/L)	GWC-50	0.022	n/a	8/13/2021	0.0046	No	170	n/a	n/a	79.41	n/a	n/a	n/a	0.0000686	NP (NDs) 1 of 2
Copper, Total (mg/L)	GWC-51	0.022	n/a	8/13/2021	0.0025	No	170	n/a	n/a	79.41	n/a	n/a	n/a	0.0000686	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.022	n/a	8/13/2021	0.0036	No	172	n/a	n/a	79.65	n/a	n/a	n/a	0.000067	NP (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.022	n/a	8/13/2021	0.0034	No	172	n/a	n/a	79.65	n/a	n/a	n/a	0.000067	NP (NDs) 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.041	n/a	8/13/2021	0.0093	No	170	n/a	n/a	27.65	n/a	n/a	n/a	0.0000686	NP (normality) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric

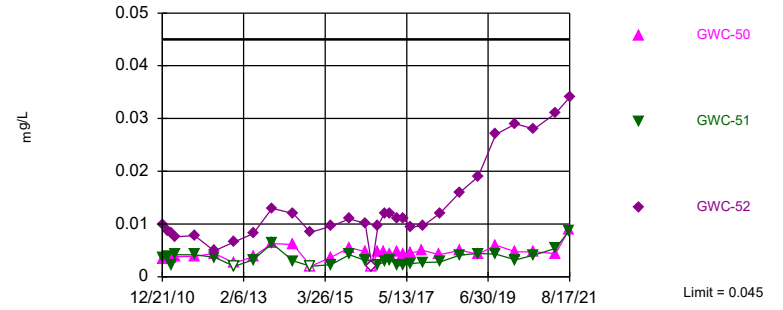


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 201 background values. Annual per-constituent alpha = 0.0004919. Individual comparison alpha = 0.0000492 (1 of 2). Comparing 4 points to limit. Assumes 1 future value.

Constituent: Barium, Total Analysis Run 9/19/2021 9:43 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Interwell Non-parametric

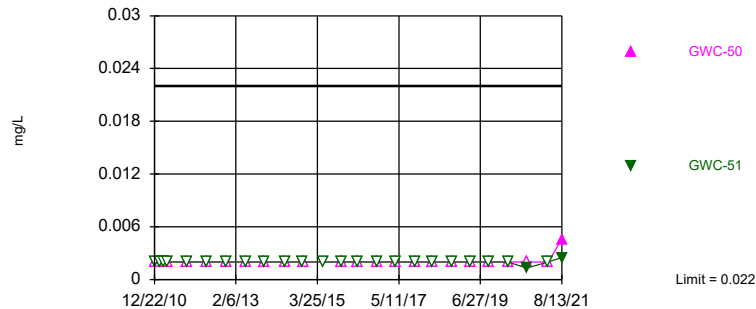


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 208 background values. 19.23% NDs. Annual per-constituent alpha = 0.0004919. Individual comparison alpha = 0.0000492 (1 of 2). Comparing 3 points to limit. Assumes 2 future values.

Constituent: Chromium, Total Analysis Run 9/19/2021 9:43 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Interwell Non-parametric

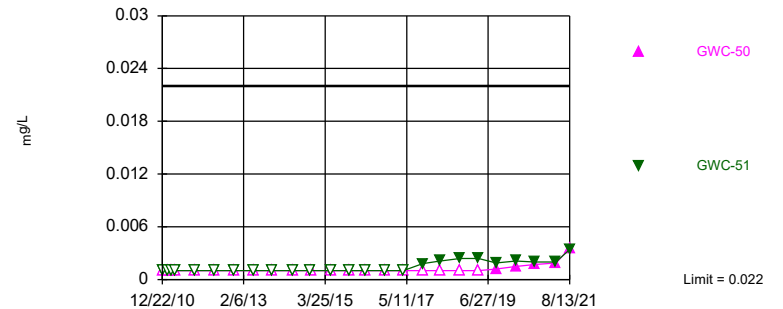


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 170 background values. 79.41% NDs. Annual per-constituent alpha = 0.0006858. Individual comparison alpha = 0.0000686 (1 of 2). Comparing 2 points to limit. Assumes 3 future values.

Constituent: Copper, Total Analysis Run 9/19/2021 9:43 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Interwell Non-parametric

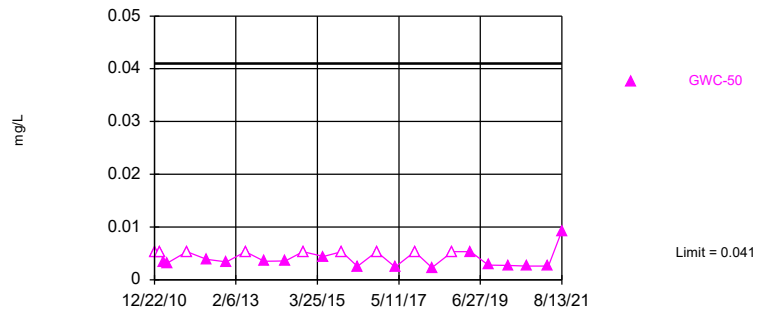


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 172 background values. 79.65% NDs. Annual per-constituent alpha = 0.0006698. Individual comparison alpha = 0.000067 (1 of 2). Comparing 2 points to limit. Assumes 3 future values.

Constituent: Nickel, Total Analysis Run 9/19/2021 9:43 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

### 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 170 background values. 27.65% NDs. Annual per-constituent alpha = 0.0006858. Individual comparison alpha = 0.0000686 (1 of 2). Assumes 4 future values.

Constituent: Vanadium, Total Analysis Run 9/19/2021 9:44 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App 1

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWC-52	GWA-49 (bg)	GWA-22 (bg)	GWC-51	GWC-50	GWA-21 (bg)
12/20/2010	0.029 (J)	0.024 (J)	0.019 (J)						
12/21/2010				0.01 (J)	0.021 (J)				
12/22/2010						0.028 (J)	0.011 (J)	0.011 (J)	0.026 (J)
2/1/2011	0.038 (J)		0.017 (J)						
2/14/2011		0.023 (J)			0.021 (J)	0.025 (J)			0.022 (J)
2/15/2011				0.0086 (J)			0.013 (J)	0.013 (J)	
3/21/2011		0.021 (J)	0.019 (J)	0.009 (J)	0.021 (J)				
3/22/2011						0.029 (J)	0.01 (J)	0.01 (J)	0.02 (J)
3/23/2011	0.045 (J)								
4/26/2011		0.019 (J)	0.02 (J)		0.021 (J)	0.031 (J)			0.019 (J)
4/27/2011	0.043 (J)						0.011 (J)	0.011 (J)	
4/28/2011				0.012 (J)					
10/25/2011									
10/26/2011	0.023	0.023		0.0093 (J)	0.019		0.0099 (J)	0.013	
10/27/2011			0.018			0.027			0.021
5/1/2012	0.021	0.014		0.0048 (J)		0.022			0.017
5/2/2012			0.017		0.018		0.0085 (J)	0.0084 (J)	
11/8/2012	0.038	0.034	0.048 (O)		0.018	0.024	<0.01	0.012	0.023
11/9/2012				0.0091 (J)					
5/7/2013	0.042		0.02			0.027			0.021
5/8/2013		0.016		0.0096 (J)	0.017		0.0094 (J)	0.013	
11/4/2013		0.014	0.019	0.012		0.024	0.0094 (J)	0.012	0.018
11/5/2013	0.039				0.019				
5/23/2014	0.088 (O)				0.021				
5/24/2014		0.027	0.019	0.011		0.025	0.0094 (J)	0.012	0.022
11/7/2014	0.027	0.03	0.019	0.011	0.019		0.0094 (J)		
11/8/2014						0.023		0.01	0.02
5/20/2015		0.029	0.018						
5/21/2015	0.036				0.02	0.023			0.022
5/22/2015				0.011			0.0092 (J)	0.011	
11/12/2015	0.038				0.019				
11/13/2015		0.041	0.02	0.011		0.023	0.0095 (J)	0.011	0.025
4/6/2016									0.0239
4/7/2016		0.0381	0.0207		0.0201				
4/8/2016	0.0261					0.0244			
4/11/2016				0.012			0.0105	0.0132	
6/14/2016	0.023	0.034	0.019		0.017	0.023			0.021
6/15/2016								0.011	
6/16/2016				0.011			0.0089 (J)		
6/17/2016									
8/9/2016	0.026	0.032	0.017		0.017	0.026			
8/10/2016							0.0082	0.012	0.019
8/11/2016				0.012					
10/10/2016		0.037	0.02						
10/11/2016	0.03				0.02	0.022		0.012	0.02
10/13/2016				0.012			0.0088		
10/14/2016									
12/2/2016		0.038	0.02		0.02			0.012	0.022
12/5/2016	0.026			0.013		0.025	0.01		
12/19/2016									
2/9/2017		0.048			0.018				
2/10/2017	0.023		0.018			0.026			0.03

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWC-52	GWA-49 (bg)	GWA-22 (bg)	GWC-51	GWC-50	GWA-21 (bg)
2/13/2017				0.012			0.0097	0.013	
4/7/2017	0.024	0.045	0.02		0.018	0.021		0.01	
4/10/2017							0.0082		0.025
4/11/2017				0.012					
6/22/2017	0.025	0.049			0.02			0.012	
6/23/2017			0.021				0.01		0.026
6/24/2017				0.013					
6/26/2017						0.028			
10/9/2017						0.021			0.025
10/10/2017	0.022	0.044	0.018		0.02			0.011	
10/11/2017				0.012			0.0092		
3/22/2018	0.024	0.0495 (D)			0.018				
3/23/2018			0.02					0.011	
3/26/2018				0.013		0.022 (D)	0.0094		0.026
10/3/2018		0.042			0.018	0.022			0.00049 (O)
10/4/2018			0.019	0.013			0.0093	0.012	
10/5/2018	0.026								
3/27/2019	0.026	0.057	0.021		0.019	0.022	0.011		0.024
3/28/2019				0.014				0.012	
9/12/2019	0.028	0.1 (L)	0.022	0.017	0.022	0.023	0.011	0.013	0.025
12/2/2019		0.11 (RL)							
3/19/2020		0.11 (L)	0.023	0.018	0.02	0.024	0.011	0.013	0.027
3/20/2020	0.029								
9/10/2020					0.02	0.022		0.013	0.023
9/11/2020	0.026	0.15 (L)	0.022	0.017			0.01		
4/2/2021		0.11 (L)				0.023			0.02
4/5/2021	0.028		0.022	0.019			0.01		
4/6/2021					0.02			0.013	
8/12/2021		0.091	0.023		0.024	0.024			0.023
8/13/2021	0.026						0.019	0.029	
8/17/2021				0.02					

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App 1  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWC-29	GWA-48 (bg)
12/20/2010		
12/21/2010		0.055 (O)
12/22/2010	0.016 (J)	
2/1/2011		
2/14/2011		0.05 (O)
2/15/2011	0.016 (J)	
3/21/2011		
3/22/2011	0.014 (J)	
3/23/2011		0.031 (J)
4/26/2011		
4/27/2011	0.016 (J)	0.015 (J)
4/28/2011		
10/25/2011		0.02
10/26/2011	0.015	
10/27/2011		
5/1/2012		0.017
5/2/2012	0.012	
11/8/2012	0.015	0.012
11/9/2012		
5/7/2013		0.022
5/8/2013	0.014	
11/4/2013	0.016	
11/5/2013		0.012
5/23/2014		0.02
5/24/2014	0.015	
11/7/2014	0.016	0.012
11/8/2014		
5/20/2015		
5/21/2015		0.011
5/22/2015	0.015	
11/12/2015		0.012
11/13/2015	0.016	
4/6/2016		
4/7/2016		0.0116
4/8/2016		
4/11/2016	0.0167	
6/14/2016		
6/15/2016	0.015	
6/16/2016		
6/17/2016		0.012
8/9/2016		
8/10/2016	0.015	0.012
8/11/2016		
10/10/2016		
10/11/2016	0.017	
10/13/2016		
10/14/2016		0.016
12/2/2016		
12/5/2016	0.017	
12/19/2016		0.012
2/9/2017		
2/10/2017		

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWA-48 (bg)
2/13/2017	0.016	0.017
4/7/2017		0.011
4/10/2017	0.015	
4/11/2017		
6/22/2017		0.014
6/23/2017	0.017	
6/24/2017		
6/26/2017		
10/9/2017		
10/10/2017	0.016	0.012
10/11/2017		
3/22/2018		
3/23/2018		0.012
3/26/2018	0.015	
10/3/2018		0.012
10/4/2018	0.018	
10/5/2018		
3/27/2019		0.013
3/28/2019	0.017	
9/12/2019	0.019	0.016
12/2/2019		
3/19/2020	0.019	0.02
3/20/2020		
9/10/2020	0.02	
9/11/2020		0.013
4/2/2021		
4/5/2021		0.015
4/6/2021	0.018	
8/12/2021		0.013
8/13/2021	0.021	
8/17/2021		





# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWC-52	GWA-49 (bg)	GWC-51	GWC-50	GWA-22 (bg)
2/13/2017				0.0059	0.011		0.0021 (J)	0.0047	
4/7/2017	0.0072	0.0046	<0.002	0.0051		0.006		0.0044	0.0081
4/10/2017							0.0022 (J)		
4/11/2017					0.011				
6/22/2017	0.0074		<0.002	0.005		0.0056		0.0045	
6/23/2017		0.005					0.0025		
6/24/2017					0.0095				
6/26/2017									0.0084
10/9/2017									0.0082
10/10/2017	0.0072	0.0088	<0.002	0.005		0.0073		0.005	
10/11/2017					0.0096		0.0027		
3/22/2018	0.0074		<0.002 (D)			0.0051			
3/23/2018		0.0045		0.005				0.0042	
3/26/2018					0.012		0.0028		0.0088
10/3/2018			<0.002	0.0051		0.0052			0.0086
10/4/2018		0.0047			0.016		0.0041	0.005	
10/5/2018	0.0083								
3/27/2019	0.0081	0.0048	<0.002	0.0051		0.0056	0.0044		0.0078
3/28/2019					0.019			0.0043	
9/12/2019	0.0088	0.0051	<0.002	0.0085	0.027	0.0075	0.0043	0.006	0.0092
3/19/2020		0.0043	<0.002	0.0063	0.029	0.0055	0.0032	0.0047	0.011
3/20/2020	0.0085								
9/10/2020						0.0063		0.0047	0.0077
9/11/2020	0.0081	0.0042	<0.002	0.0053	0.028		0.0041		
4/2/2021			<0.002						0.01
4/5/2021	0.0084	0.0041		0.0061	0.031		0.0054		
4/6/2021						0.0055		0.0044	
8/12/2021		0.0045	<0.002	0.0058		0.0096			0.008
8/13/2021	0.0082						0.0087	0.0089	
8/17/2021					0.034				

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21 (bg)
12/20/2010	
12/21/2010	
12/22/2010	0.0052
2/1/2011	
2/14/2011	0.0057
2/15/2011	
3/21/2011	
3/22/2011	0.0055
3/23/2011	
4/26/2011	0.0069
4/27/2011	
4/28/2011	
10/25/2011	
10/26/2011	
10/27/2011	0.011
5/1/2012	0.0056
5/2/2012	
11/8/2012	<0.002
11/9/2012	
5/7/2013	0.0036 (J)
5/8/2013	
11/4/2013	0.0032 (J)
11/5/2013	
5/23/2014	
5/24/2014	0.0043 (J)
11/7/2014	
11/8/2014	<0.002
5/20/2015	
5/21/2015	0.002 (J)
5/22/2015	
11/12/2015	
11/13/2015	<0.002
4/6/2016	0.00278 (J)
4/7/2016	
4/8/2016	
4/11/2016	
6/14/2016	<0.002
6/15/2016	
6/16/2016	
6/17/2016	
8/9/2016	
8/10/2016	0.0019 (J)
8/11/2016	
10/10/2016	
10/11/2016	0.0024 (J)
10/13/2016	
10/14/2016	
12/2/2016	0.0023 (J)
12/5/2016	
12/19/2016	
2/9/2017	
2/10/2017	0.0021 (J)

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21 (bg)
2/13/2017	
4/7/2017	
4/10/2017	0.002 (J)
4/11/2017	
6/22/2017	
6/23/2017	0.0018 (J)
6/24/2017	
6/26/2017	
10/9/2017	0.0016 (J)
10/10/2017	
10/11/2017	
3/22/2018	
3/23/2018	
3/26/2018	0.0011 (J)
10/3/2018	0.0014 (J)
10/4/2018	
10/5/2018	
3/27/2019	0.003
3/28/2019	
9/12/2019	0.0047
3/19/2020	0.0026
3/20/2020	
9/10/2020	0.0019 (J)
9/11/2020	
4/2/2021	0.0029
4/5/2021	
4/6/2021	
8/12/2021	0.0016 (J)
8/13/2021	
8/17/2021	

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-50	GWC-51	GWA-22 (bg)	GWA-21 (bg)
12/20/2010	0.0065 (J)	<0.002	0.0021 (J)						
12/21/2010				0.0084 (J)	<0.002				
12/22/2010						<0.002	<0.002	<0.002	<0.002
2/1/2011	0.018	<0.002							
2/14/2011			<0.002	0.013 (O)	<0.002			<0.002	<0.002
2/15/2011						<0.002	<0.002		
3/21/2011		<0.002	<0.002		<0.002				
3/22/2011						<0.002	<0.002	<0.002	<0.002
3/23/2011	0.022			0.0061 (J)					
4/26/2011		<0.002	<0.002		<0.002			<0.002	<0.002
4/27/2011	0.02			<0.002		<0.002	<0.002		
10/25/2011				<0.002					
10/26/2011	0.0025 (J)		<0.002		<0.002	<0.002	<0.002		
10/27/2011		<0.002						<0.002	<0.002
5/1/2012	0.0022 (J)		<0.002	0.0027 (J)				<0.002	<0.002
5/2/2012		<0.002			<0.002	<0.002	<0.002		
11/8/2012	0.015	0.021 (O)	0.0034 (J)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/7/2013	0.02	<0.002		0.0039 (J)				<0.002	<0.002
5/8/2013			<0.002		<0.002	<0.002	<0.002		
11/4/2013		<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
11/5/2013	0.014			<0.002	<0.002				
5/23/2014	0.06 (O)			0.0029 (J)	<0.002				
5/24/2014		<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
11/7/2014	0.0032 (J)	<0.002	0.002 (J)	<0.002	<0.002		<0.002		
11/8/2014						<0.002		<0.002	<0.002
5/20/2015		<0.002	0.0024 (J)						
5/21/2015	0.017 (JV)			0.0031 (J)	<0.002			0.003 (J)	0.0028 (O)
5/22/2015						0.0031 (O)	<0.002		
11/12/2015	0.01 (J)			<0.002	<0.002				
11/13/2015		<0.002	<0.002			<0.002	<0.002	0.078 (O)	<0.002
4/6/2016									<0.002
4/7/2016		<0.002	<0.002	<0.002	<0.002				
4/8/2016	<0.002							<0.002	
4/11/2016						<0.002	<0.002		
10/10/2016		<0.002	<0.002						
10/11/2016	0.0051				<0.002	<0.002		<0.002	<0.002
10/13/2016							<0.002		
10/14/2016				0.0024 (J)					
4/7/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	
4/10/2017							<0.002		<0.002
10/9/2017								<0.002	<0.002
10/10/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
10/11/2017							<0.002		
3/22/2018	<0.002		<0.002 (D)		<0.002				
3/23/2018		<0.002		<0.002		<0.002			
3/26/2018							<0.002	<0.002 (D)	<0.002
10/3/2018			<0.002	<0.002	<0.002			<0.002	<0.002
10/4/2018		<0.002				<0.002	<0.002		
10/5/2018	<0.002								
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
3/28/2019						<0.002			
9/12/2019	<0.002	<0.002	<0.002	0.00083 (J)	<0.002	<0.002	<0.002	<0.002	<0.002

# Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-50	GWC-51	GWA-22 (bg)	GWA-21 (bg)
3/19/2020		<0.002	0.00072 (J)	0.0022	<0.002	<0.002	<0.002	<0.002	<0.002
3/20/2020	0.0011 (J)								
9/10/2020					<0.002	<0.002		<0.002	0.0023
9/11/2020	<0.002	<0.002	0.002	<0.002			0.0013 (J)		
4/2/2021			<0.002					<0.002	<0.002
4/5/2021	0.0019 (J)	<0.002		0.00093 (J)			<0.002		
4/6/2021					<0.002	<0.002			
8/12/2021		<0.002	<0.002	<0.002	0.0031			<0.002	0.00066 (J)
8/13/2021	<0.002					0.0046	0.0025		

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-50	GWC-51	GWA-21 (bg)	GWA-22 (bg)
12/20/2010	<0.001	<0.001	<0.001						
12/21/2010				0.0052	<0.001				
12/22/2010						<0.001	<0.001	<0.001	0.003 (O)
2/1/2011	0.0072	<0.001							
2/14/2011			<0.001	0.016	<0.001			<0.001	<0.001
2/15/2011						<0.001	<0.001		
3/21/2011		<0.001	<0.001		<0.001				
3/22/2011						<0.001	<0.001	<0.001	<0.001
3/23/2011	<0.001			<0.001					
4/26/2011		<0.001	<0.001		<0.001			<0.001	<0.001
4/27/2011	<0.001			<0.001		<0.001	<0.001		
10/25/2011				<0.001					
10/26/2011	<0.001		<0.001		<0.001	<0.001	<0.001		
10/27/2011		<0.001						<0.001	<0.001
5/1/2012	<0.001		<0.001	0.0035 (J)				<0.001	<0.001
5/2/2012		<0.001			<0.001	<0.001	<0.001		
11/8/2012	0.0066	0.0035 (O)	<0.001	0.0046 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	0.022	<0.001		0.0087				<0.001	<0.001
5/8/2013			<0.001		<0.001	<0.001	<0.001		
11/4/2013		<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
11/5/2013	0.0093			0.0036 (J)	<0.001				
5/23/2014	0.0045 (J)			<0.001	<0.001				
5/24/2014		<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
11/7/2014	0.0049 (J)	<0.001	<0.001	0.0064	<0.001		<0.001		
11/8/2014						<0.001		<0.001	<0.001
5/20/2015		<0.001	<0.001						
5/21/2015	0.012			0.0045 (J)	<0.001			<0.001	<0.001
5/22/2015						<0.001	<0.001		
11/12/2015	0.019			0.0036 (J)	<0.001				
11/13/2015		<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
4/6/2016								<0.001	
4/7/2016		<0.001	<0.001	<0.001	<0.001				
4/8/2016	<0.001								<0.001
4/11/2016						<0.001	<0.001		
10/10/2016		<0.001	<0.001						
10/11/2016	<0.001				<0.001	<0.001		<0.001	<0.001
10/13/2016							<0.001		
10/14/2016				<0.001					
4/7/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
4/10/2017							<0.001	<0.001	
10/9/2017								0.0024 (O)	<0.001
10/10/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
10/11/2017							0.0018 (J)		
3/22/2018	<0.001		<0.001 (D)		<0.001				
3/23/2018		<0.001		<0.001		<0.001			
3/26/2018							0.0021 (J)	<0.001	<0.001 (D)
10/3/2018			<0.001	<0.001	<0.001			<0.001	<0.001
10/4/2018		<0.001				<0.001	0.0024 (J)		
10/5/2018	<0.001								
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001		0.0024 (J)	<0.001	<0.001
3/28/2019						<0.001			
9/12/2019	<0.001	0.0004 (J)	0.00061 (J)	<0.001	0.00043 (J)	0.0012	0.0019	0.00097 (J)	<0.001

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWC-50	GWC-51	GWA-21 (bg)	GWA-22 (bg)
3/19/2020		<0.001	0.00074 (J)	0.0004 (J)	<0.001	0.0015	0.0021	0.00037 (J)	<0.001
3/20/2020	<0.001								
9/10/2020					0.00062 (J)	0.0017		0.00095 (J)	<0.001
9/11/2020	<0.001	<0.001	0.001	<0.001			0.002		
4/2/2021			0.00077 (J)					0.00046 (J)	0.00049 (J)
4/5/2021	<0.001	<0.001		0.00034 (J)			0.002		
4/6/2021					<0.001	0.0019			
8/12/2021		<0.001	0.00092 (J)	<0.001	0.0019			0.0011	0.00042 (J)
8/13/2021	<0.001					0.0036	0.0034		

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-21 (bg)	GWC-50	GWA-22 (bg)
12/20/2010	0.0051 (J)	0.0024 (J)	<0.0053					
12/21/2010				0.016	0.0091 (J)			
12/22/2010						<0.0053	<0.0053	<0.0053
2/1/2011	0.012	0.0021 (J)						
2/14/2011			<0.0053	0.016	0.013	<0.0053		<0.0053
2/15/2011							<0.0053	
3/21/2011		0.0025 (J)	<0.0053	0.018				
3/22/2011						0.0028 (J)	0.0034 (J)	0.0032 (J)
3/23/2011	0.015				<0.0053			
4/26/2011		0.0033 (J)	0.0022 (J)	0.018		0.0025 (J)		<0.0053
4/27/2011	0.022				0.0078 (J)		0.0032 (J)	
10/25/2011					0.012 (O)			
10/26/2011	0.0043 (J)		<0.0053	0.018			<0.0053	
10/27/2011		<0.0053				<0.0053		<0.0053
5/1/2012	0.0069 (J)		0.0036 (J)		0.019	<0.0053		0.0037 (J)
5/2/2012		0.0051 (J)		0.021			0.0039 (J)	
11/8/2012	0.013	0.02 (O)	0.0062 (O)	0.019	0.015	<0.0053	0.0034 (J)	<0.0053
5/7/2013	0.017	0.0036 (J)			0.017	<0.0053		0.0041 (J)
5/8/2013			<0.0053	0.02			<0.0053	
11/4/2013		0.0043 (J)	<0.0053			<0.0053	0.0035 (J)	<0.0053
11/5/2013	0.013			0.018	0.015			
5/23/2014	0.041			0.018	0.017			
5/24/2014		0.0033 (J)	<0.0053			<0.0053	0.0036 (J)	<0.0053
11/7/2014	0.0069 (J)	<0.0053	<0.0053	0.018	0.013			
11/8/2014						<0.0053	<0.0053	<0.0053
5/20/2015		0.0062 (J)	<0.0053					
5/21/2015	0.016			0.02	0.016	<0.0053		0.0052 (J)
5/22/2015							0.0044 (J)	
11/12/2015	0.013			0.016	0.018			
11/13/2015		0.0046 (J)	<0.0053			<0.0053	<0.0053	<0.0053
4/6/2016						0.00201 (J)		
4/7/2016		0.00293 (J)	<0.0053	0.0182	0.016			
4/8/2016	<0.0053 (D)							<0.0053 (D)
4/11/2016							0.00254 (J)	
10/10/2016		0.0031	<0.0053					
10/11/2016	0.011			0.023		<0.0053	<0.0053	<0.0053
10/14/2016					0.018			
4/7/2017	0.0073	0.0041	<0.0053	0.02	0.017		0.0024 (J)	0.0033
4/10/2017						0.002 (J)		
10/9/2017						<0.0053		<0.0053
10/10/2017	0.0032	<0.0053	0.0014 (J)	0.016	0.015		<0.0053	
3/22/2018	0.0068		<0.0053 (D)	0.018				
3/23/2018		0.0032			0.016		0.0023 (J)	
3/26/2018						0.0014 (J)		0.0029
10/3/2018			<0.0053	0.018	0.017	0.0023 (J)		0.0022 (J)
10/4/2018		<0.0053 (X)					<0.0053 (X)	
10/5/2018	<0.0053 (X)							
3/27/2019	0.012	0.0072	0.0023 (J)	0.021	0.022	0.0072 (O)		0.0071 (O)
3/28/2019							0.0053	
9/12/2019	0.0075	0.0033	0.0017	0.02	0.019	0.0031	0.0028	0.0025
3/19/2020		0.0033	0.0031	0.02	0.019	0.003	0.0027	0.0052
3/20/2020	0.0086							



# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 9/19/2021 9:46 AM View: Interwell PL App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-21 (bg)	GWC-50	GWA-22 (bg)
9/10/2020				0.018		0.0027	0.0026	0.0025
9/11/2020	0.007	0.0026	0.0015		0.017			
4/2/2021			0.0014			0.0029		0.0045
4/5/2021	0.0085	0.003			0.019			
4/6/2021				0.021			0.0026	
8/12/2021		0.0031	0.0017	0.02	0.019	0.004		0.0028
8/13/2021	0.0078						0.0093	

FIGURE F.

# Trend Test Summary Table - Significant Results Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/18/2021, 5:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-22 (bg)	-0.0003717	-150	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006729	349	152	Yes	31	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.000374	192	139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-29	0.0004177	222	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.0007381	330	146	Yes	30	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004873	-208	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.0005415	237	146	Yes	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.001221	264	146	Yes	30	3.333	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-47 (bg)	-0.0008822	-167	-105	Yes	24	37.5	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.0002103	-128	-111	Yes	25	56	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-48 (bg)	0.0006242	142	105	Yes	24	4.167	n/a	n/a	0.01	NP

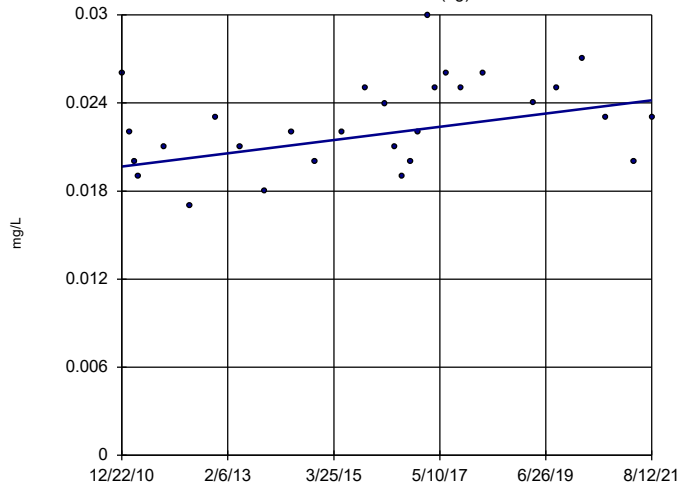
# Trend Test Summary Table - All Results Appendix I

Plant Scherer    Client: Southern Company    Data: Scherer PAC-CCR    Printed 9/18/2021, 5:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0004244	116	139	No	29	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>-0.0003717</b>	<b>-150</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>0.006729</b>	<b>349</b>	<b>152</b>	<b>Yes</b>	<b>31</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.000374</b>	<b>192</b>	<b>139</b>	<b>Yes</b>	<b>29</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWA-47 (bg)	-0.0009836	-108	-139	No	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-27	-131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	1	146	No	30	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0004177</b>	<b>222</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (mg/L)	GWC-50	0.0001461	117	146	No	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-51	0.00001955	39	146	No	30	3.333	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0007381</b>	<b>330</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-0.0004873</b>	<b>-208</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>13.33</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chromium, Total (mg/L)</b>	<b>GWA-22 (bg)</b>	<b>0.0005415</b>	<b>237</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>6.667</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium, Total (mg/L)	GWA-45 (bg)	0	0	131	No	28	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00004855	55	146	No	30	3.333	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003091	-59	-146	No	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0003604	-107	-146	No	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00002	-13	-146	No	30	3.333	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-50	0.0001157	126	146	No	30	6.667	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-51	0.00001268	16	146	No	30	10	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.001221</b>	<b>264</b>	<b>146</b>	<b>Yes</b>	<b>30</b>	<b>3.333</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Copper, Total (mg/L)	GWA-21 (bg)	0	-3	-105	No	24	91.67	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-22 (bg)	0	-1	-105	No	24	95.83	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-45 (bg)	0	-52	-111	No	25	76	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-46 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
<b>Copper, Total (mg/L)</b>	<b>GWA-47 (bg)</b>	<b>-0.0008822</b>	<b>-167</b>	<b>-105</b>	<b>Yes</b>	<b>24</b>	<b>37.5</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Copper, Total (mg/L)	GWA-48 (bg)	-0.00008322	-101	-105	No	24	58.33	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWA-49 (bg)	0	24	111	No	25	96	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWC-50	0	23	105	No	24	95.83	n/a	n/a	0.01	NP
Copper, Total (mg/L)	GWC-51	0	3	111	No	25	92	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-21 (bg)	0	-93	-105	No	24	79.17	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-22 (bg)	0	-45	-105	No	24	91.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-45 (bg)	0	-94	-111	No	25	80	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-46 (bg)	0	-15	-105	No	24	95.83	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-47 (bg)	0	-60	-111	No	25	68	n/a	n/a	0.01	NP
<b>Nickel, Total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>-0.0002103</b>	<b>-128</b>	<b>-111</b>	<b>Yes</b>	<b>25</b>	<b>56</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel, Total (mg/L)	GWA-49 (bg)	0	-13	-111	No	25	88	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-50	0	-10	-111	No	25	80	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-51	0	-105	-111	No	25	64	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-21 (bg)	0	29	105	No	24	54.17	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-22 (bg)	0	26	105	No	24	50	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-45 (bg)	0	49	105	No	24	62.5	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-46 (bg)	0	3	105	No	24	16.67	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWA-47 (bg)	-0.0005047	-46	-111	No	25	8	n/a	n/a	0.01	NP
<b>Vanadium, Total (mg/L)</b>	<b>GWA-48 (bg)</b>	<b>0.0006242</b>	<b>142</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>4.167</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Vanadium, Total (mg/L)	GWA-49 (bg)	0.0001932	86	111	No	25	0	n/a	n/a	0.01	NP
Vanadium, Total (mg/L)	GWC-50	0	-32	-111	No	25	36	n/a	n/a	0.01	NP

### Sen's Slope Estimator

GWA-21 (bg)

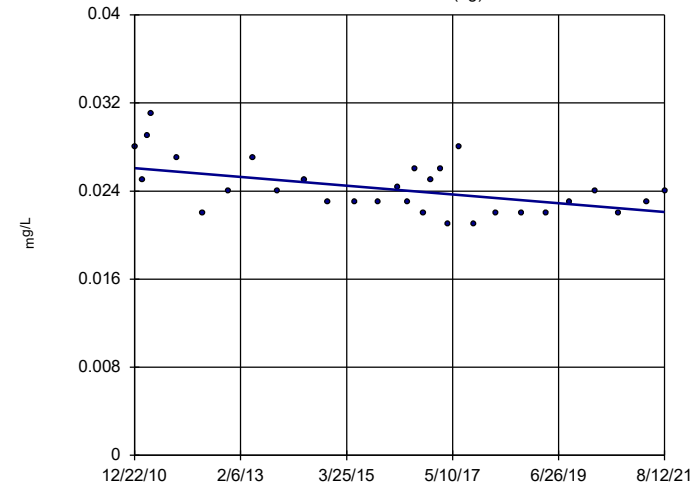


n = 29  
 Slope = 0.0004244  
 units per year.  
 Mann-Kendall  
 statistic = 116  
 critical = 139  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-22 (bg)

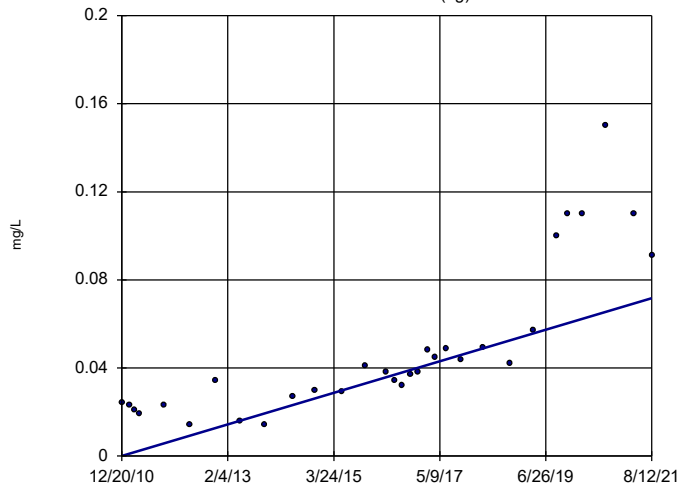


n = 30  
 Slope = -0.0003717  
 units per year.  
 Mann-Kendall  
 statistic = -150  
 critical = -146  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-45 (bg)

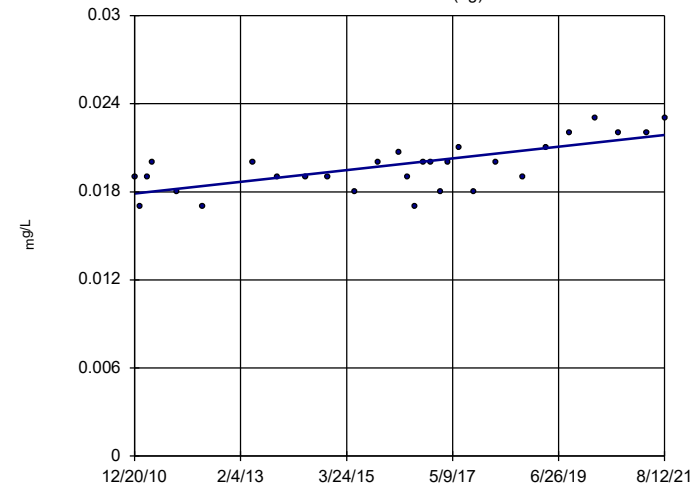


n = 31  
 Slope = 0.006729  
 units per year.  
 Mann-Kendall  
 statistic = 349  
 critical = 152  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-46 (bg)

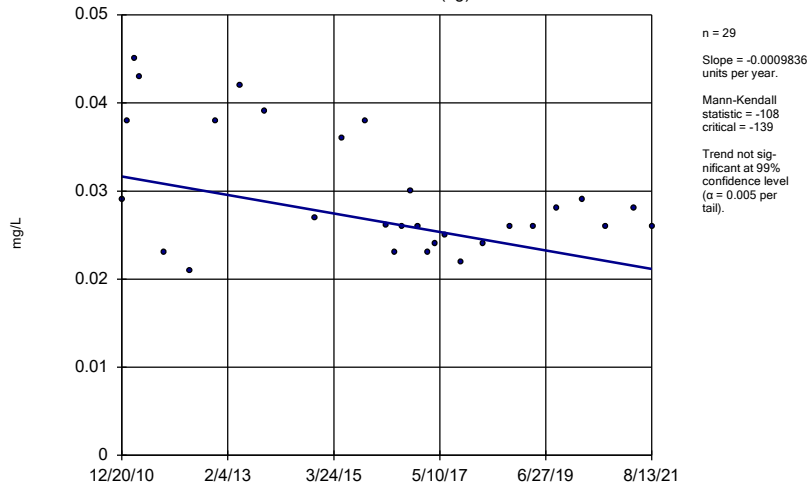


n = 29  
 Slope = 0.000374  
 units per year.  
 Mann-Kendall  
 statistic = 192  
 critical = 139  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

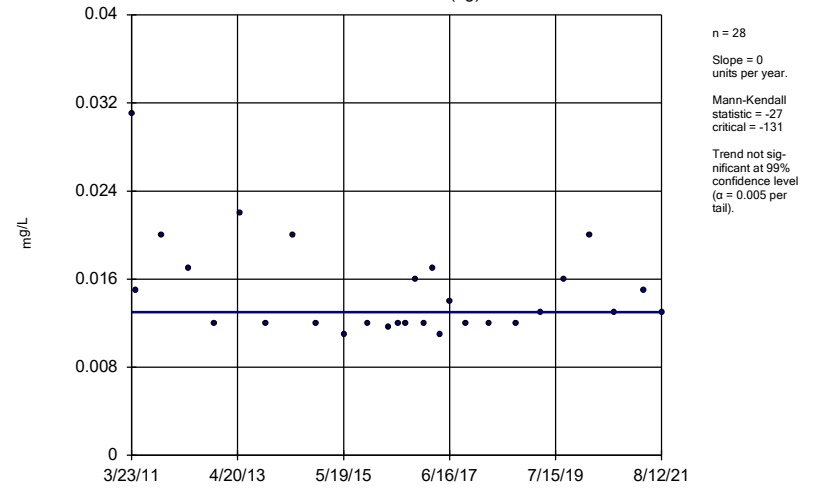
GWA-47 (bg)



Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

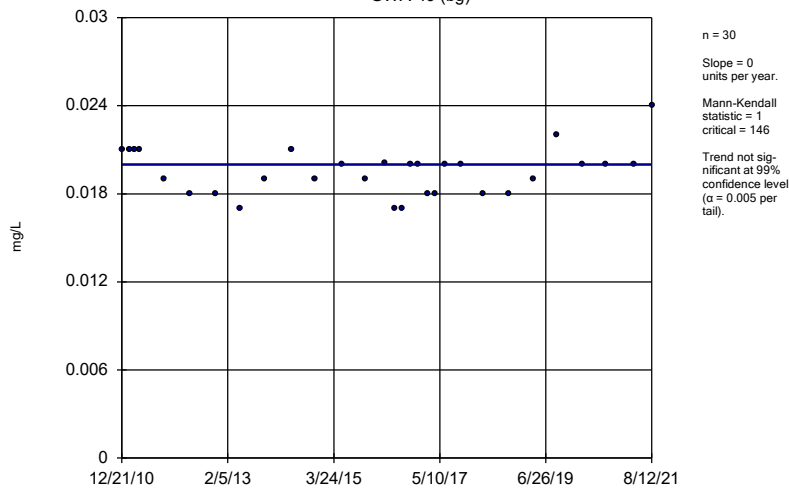
GWA-48 (bg)



Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

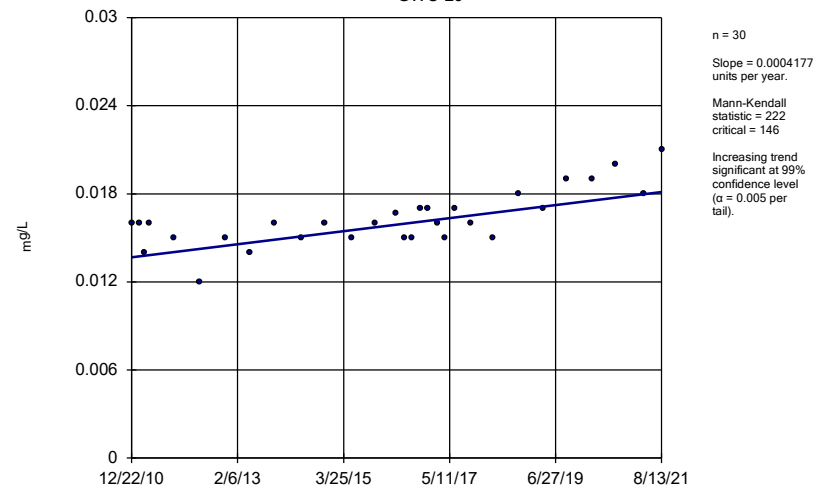
GWA-49 (bg)



Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

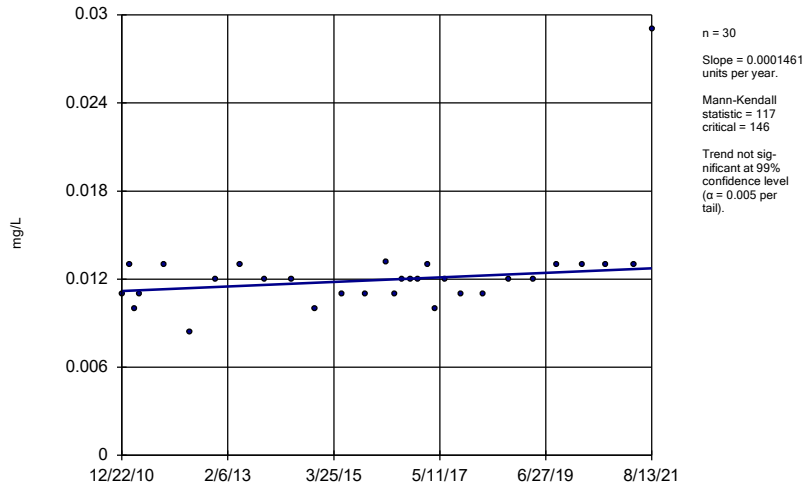
### Sen's Slope Estimator

GWC-29



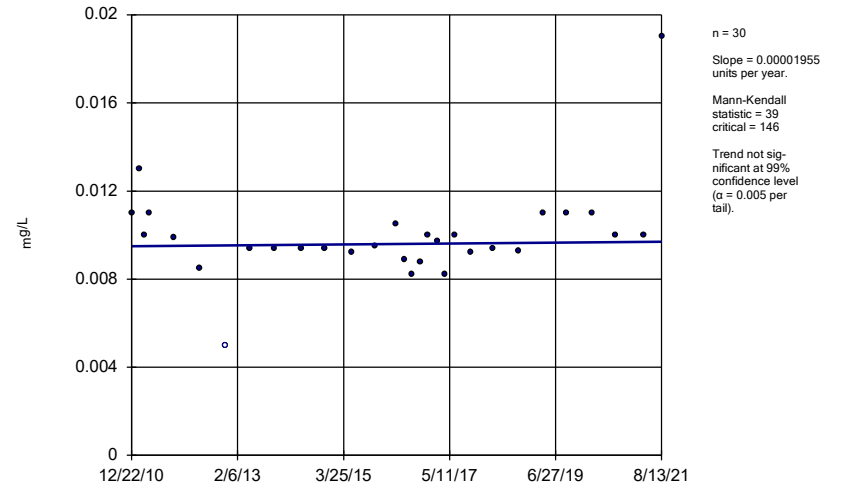
Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-50



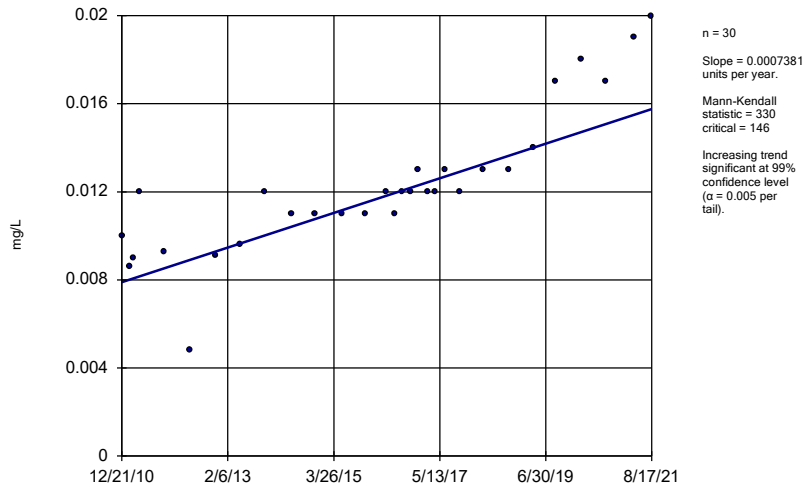
Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-51



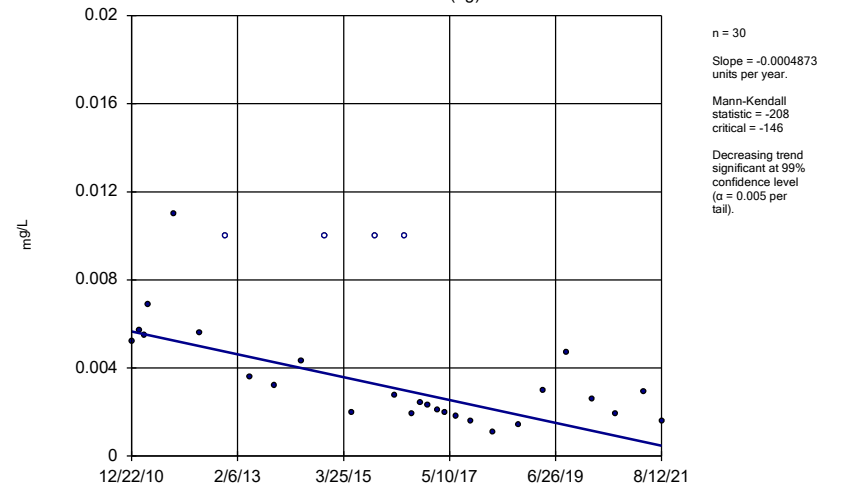
Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-52



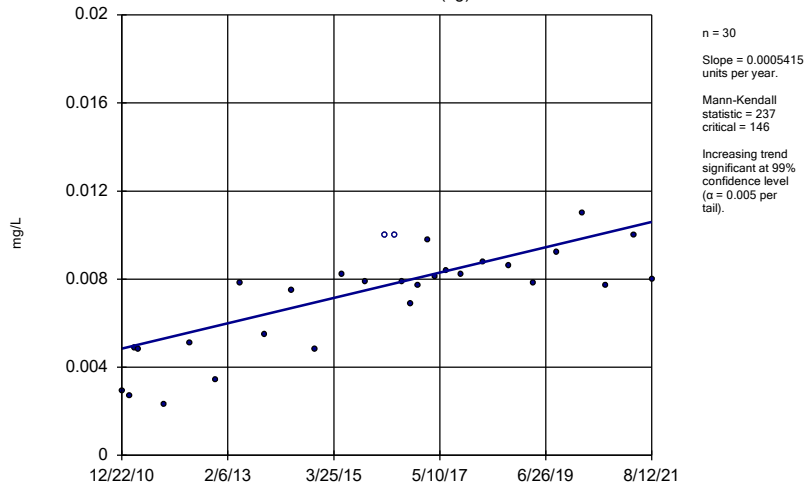
Constituent: Barium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-21 (bg)



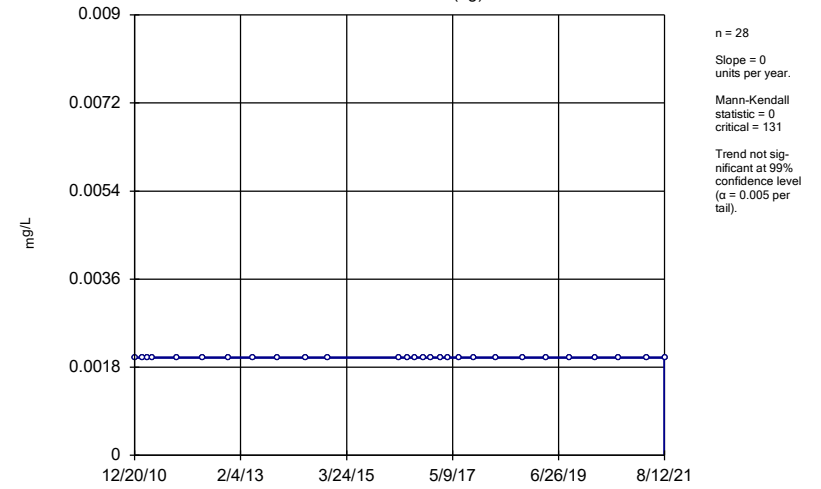
Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-22 (bg)



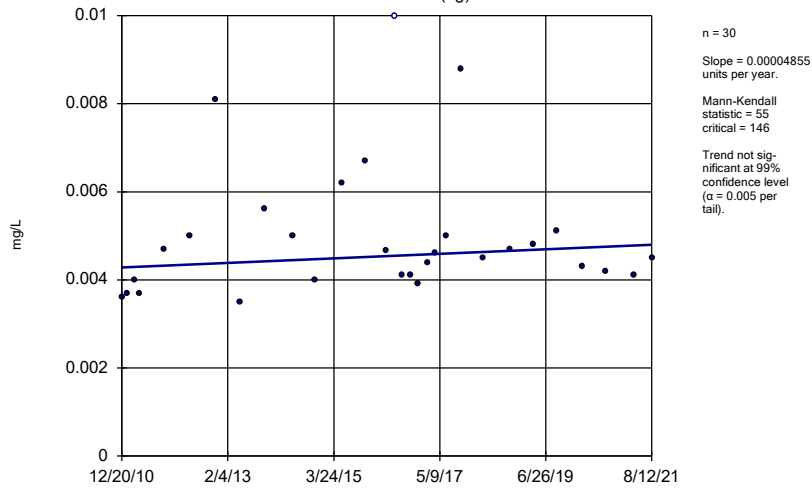
Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-45 (bg)



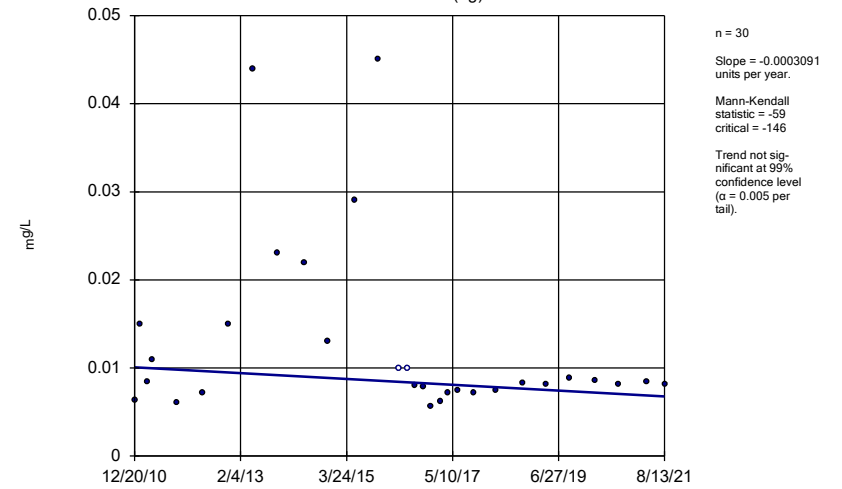
Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-46 (bg)



Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

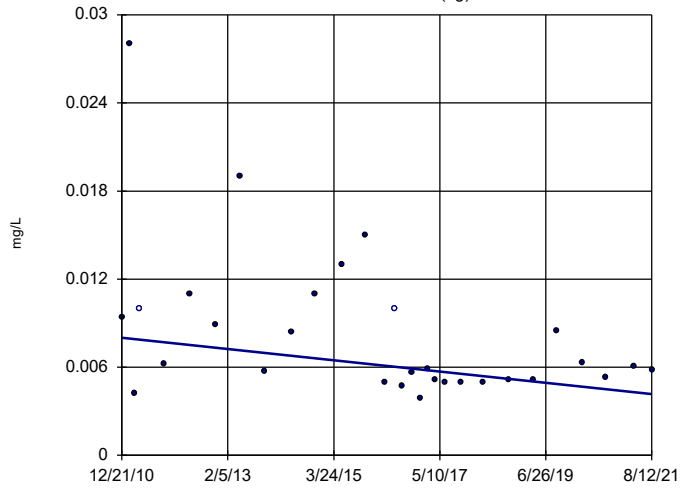
Sen's Slope Estimator  
GWA-47 (bg)



Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



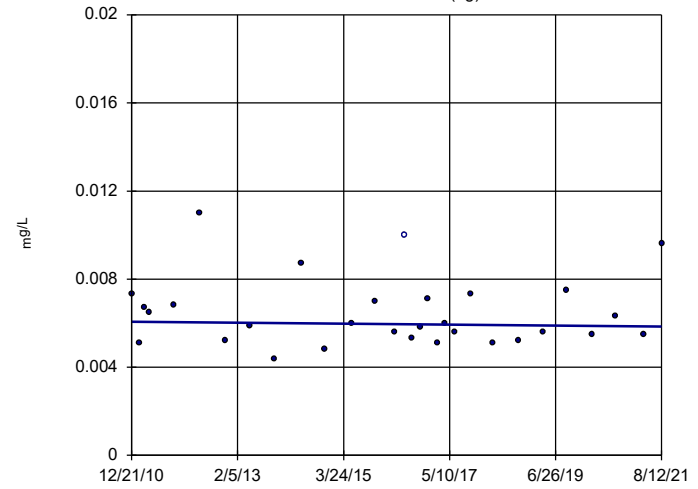
### Sen's Slope Estimator GWA-48 (bg)



n = 30  
Slope = -0.0003604  
units per year.  
Mann-Kendall  
statistic = -107  
critical = -146  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

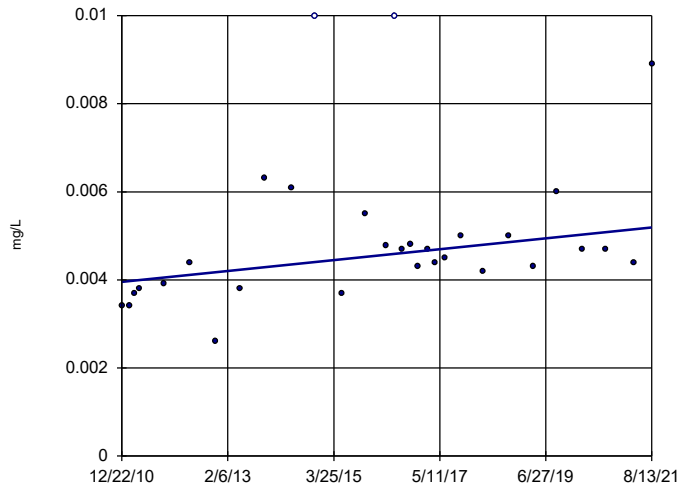
### Sen's Slope Estimator GWA-49 (bg)



n = 30  
Slope = -0.00002  
units per year.  
Mann-Kendall  
statistic = -13  
critical = -146  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

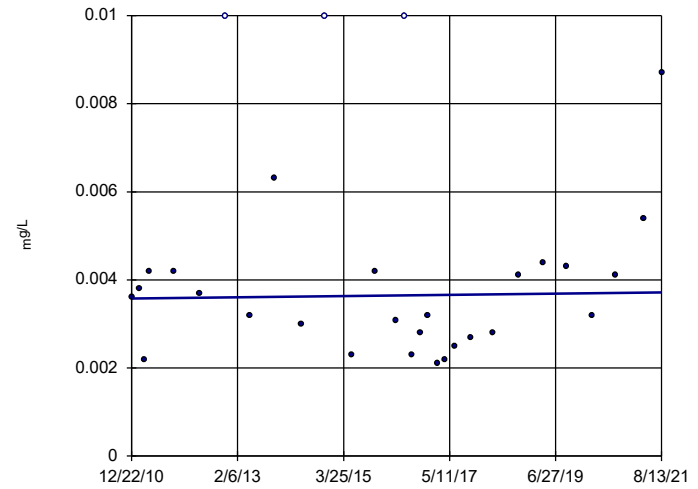
### Sen's Slope Estimator GWC-50



n = 30  
Slope = 0.0001157  
units per year.  
Mann-Kendall  
statistic = 126  
critical = 146  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

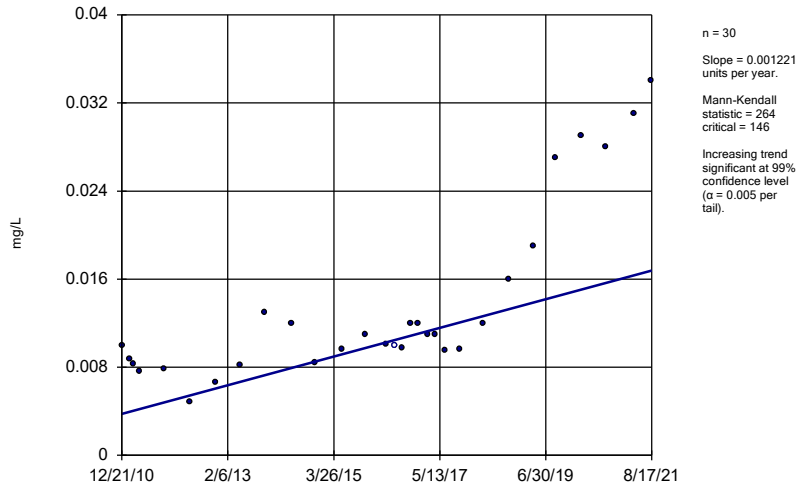
### Sen's Slope Estimator GWC-51



n = 30  
Slope = 0.00001268  
units per year.  
Mann-Kendall  
statistic = 16  
critical = 146  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

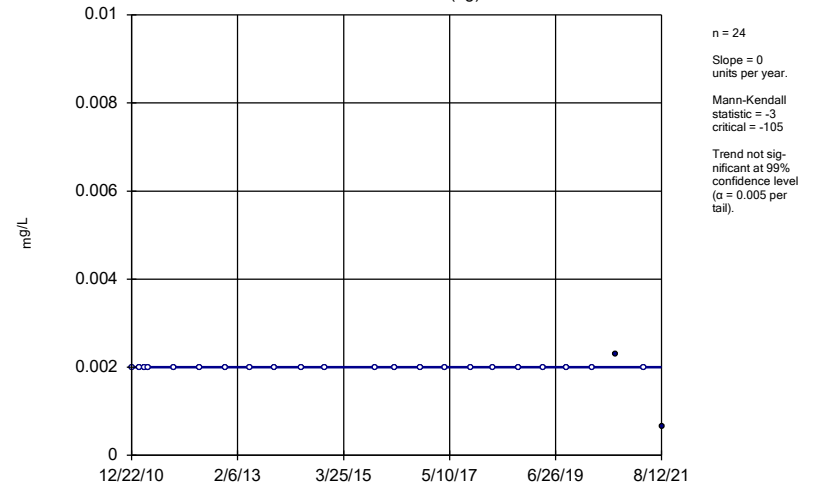
Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-52



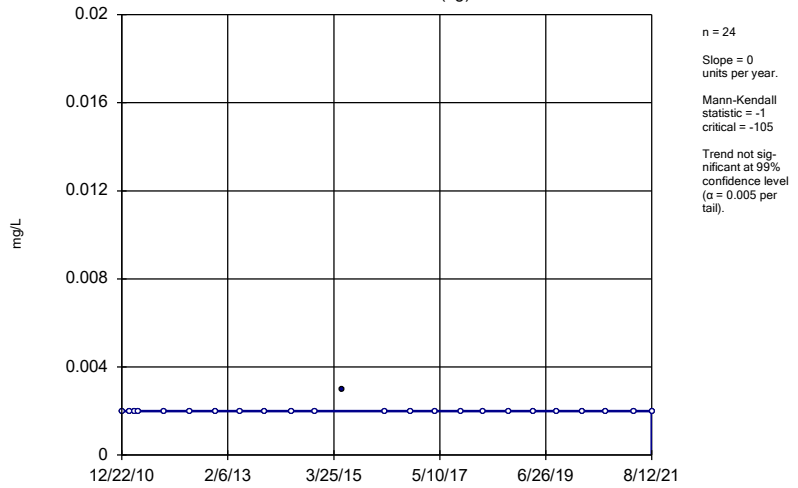
Constituent: Chromium, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-21 (bg)



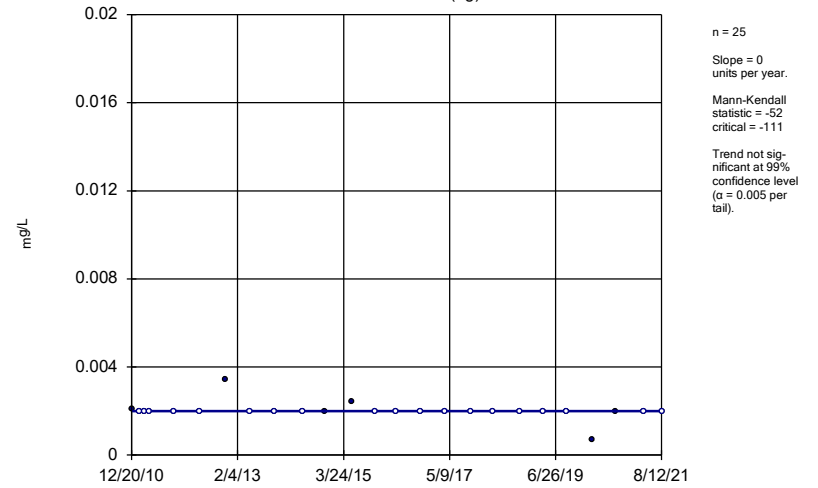
Constituent: Copper, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-22 (bg)



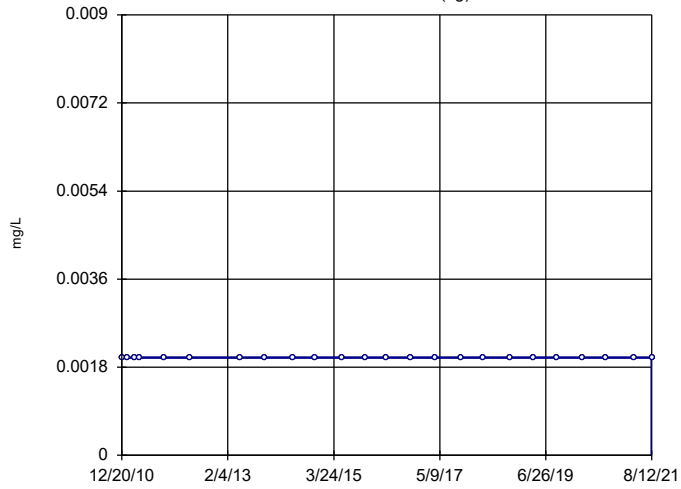
Constituent: Copper, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-45 (bg)



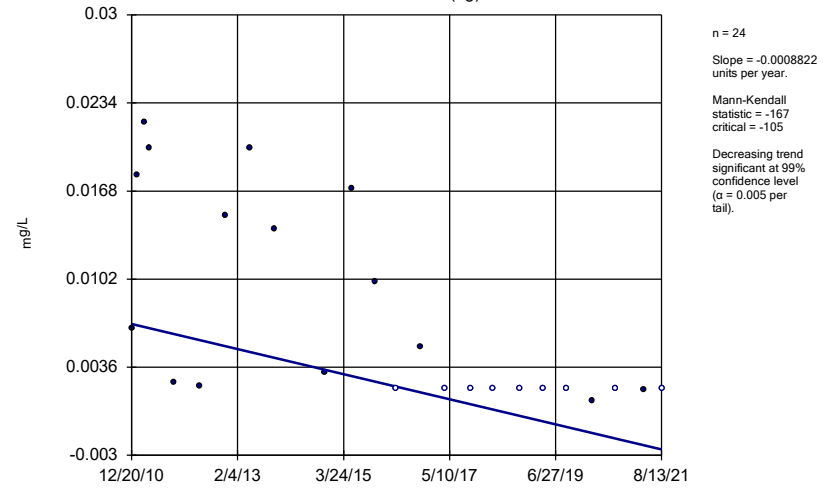
Constituent: Copper, Total Analysis Run 9/18/2021 5:29 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator GWA-46 (bg)



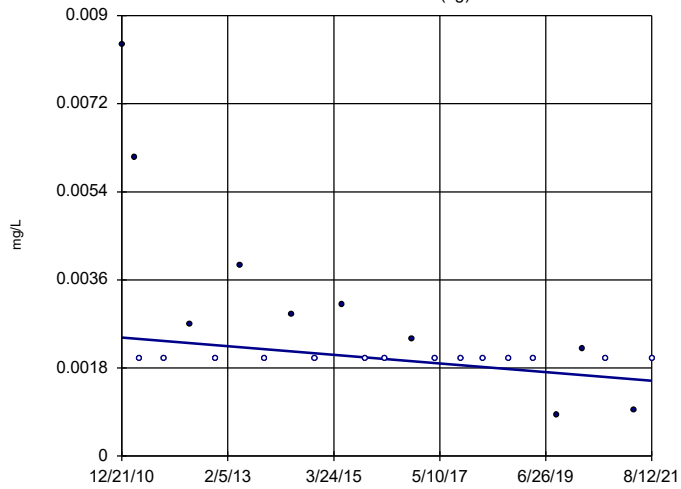
Constituent: Copper, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator GWA-47 (bg)



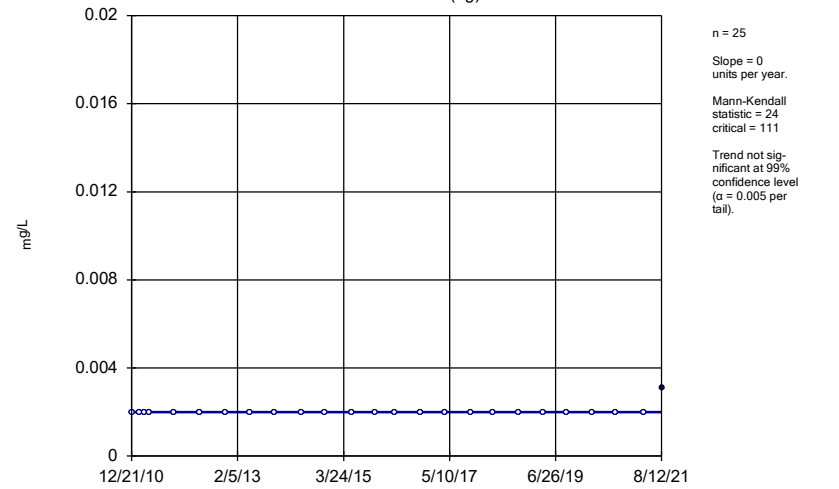
Constituent: Copper, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator GWA-48 (bg)



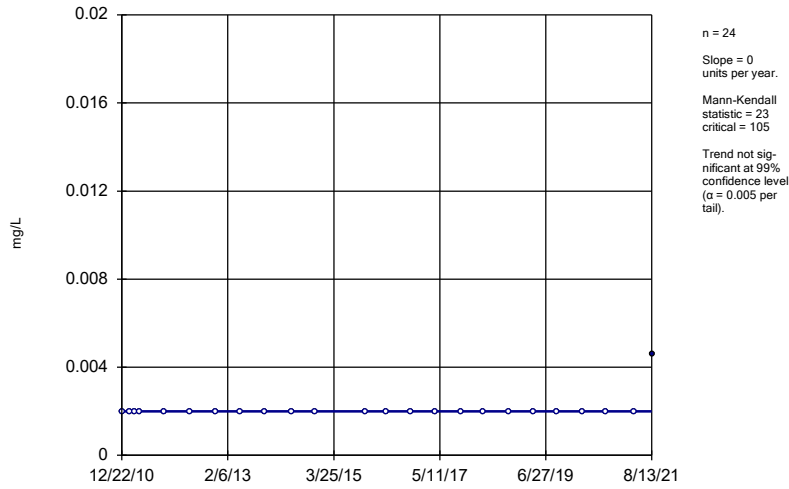
Constituent: Copper, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator GWA-49 (bg)



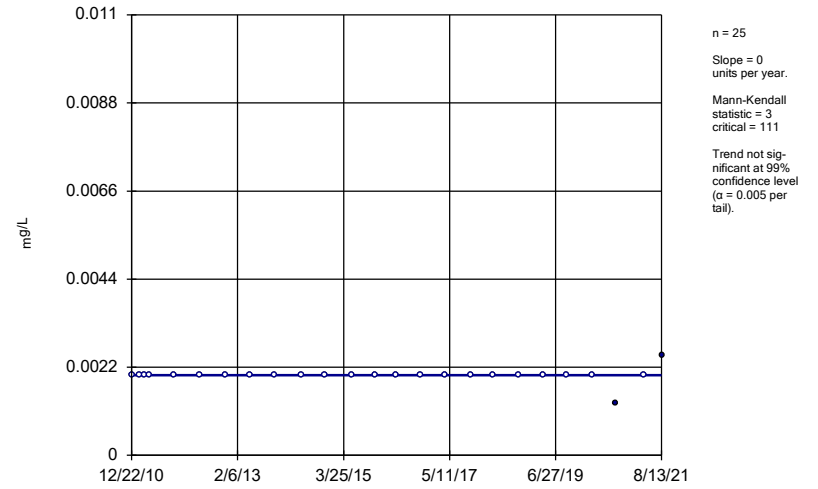
Constituent: Copper, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-50



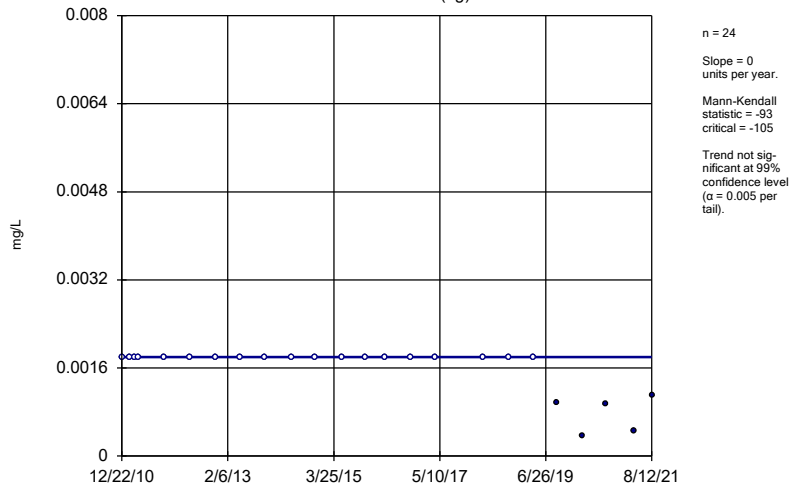
Constituent: Copper, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-51



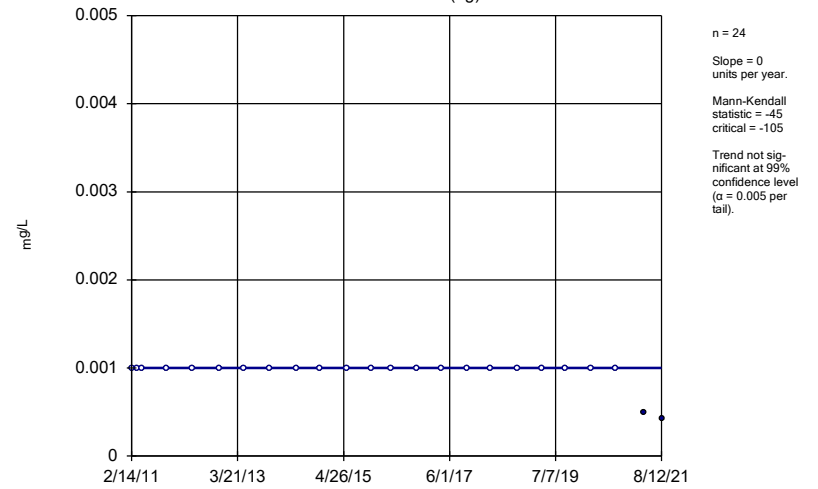
Constituent: Copper, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-21 (bg)



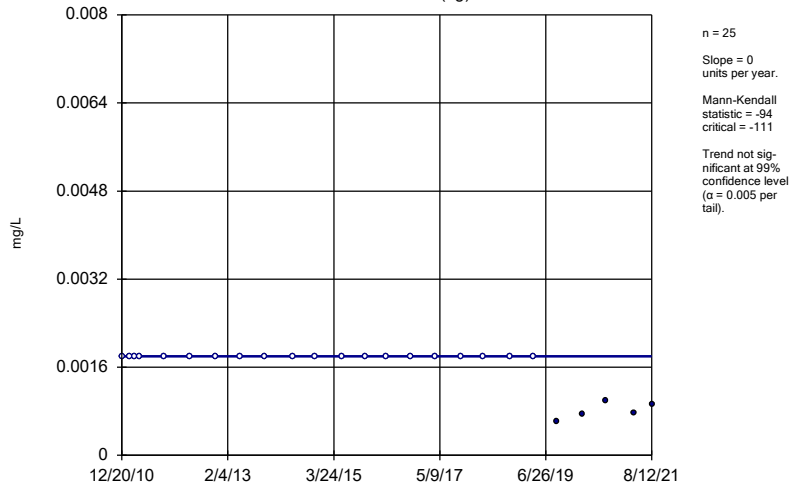
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-22 (bg)



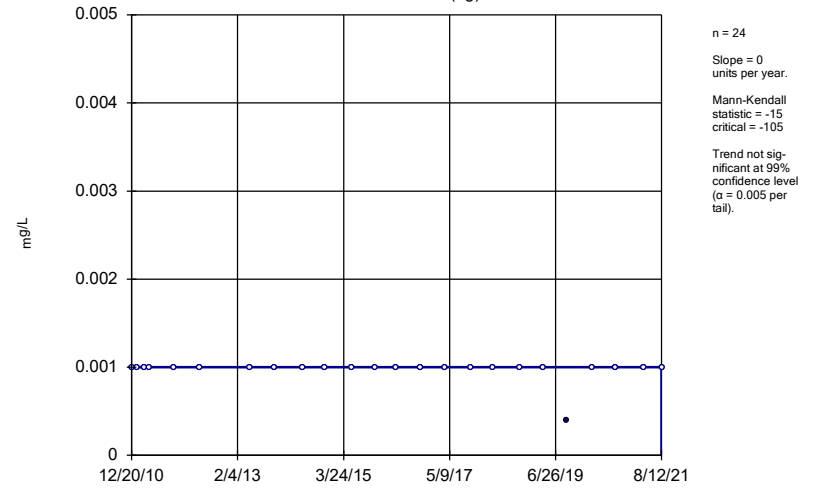
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-45 (bg)



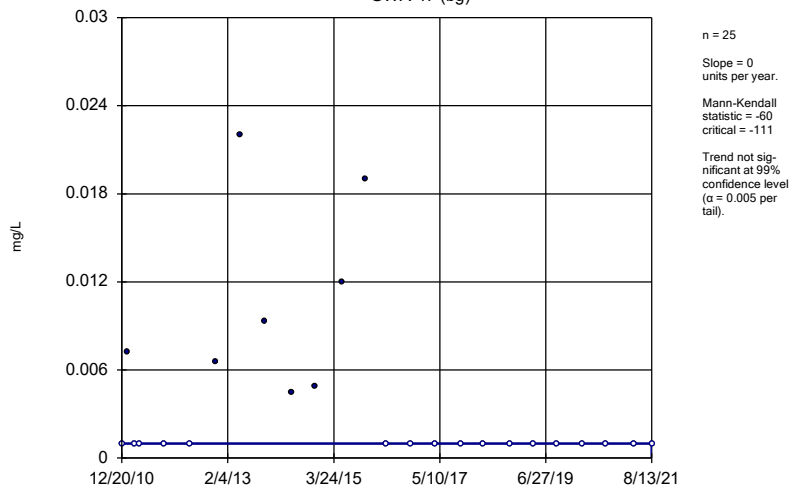
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-46 (bg)



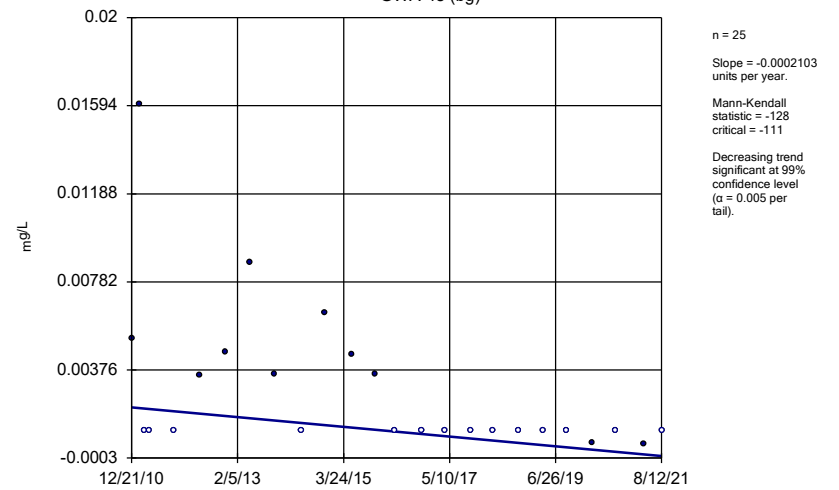
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-47 (bg)



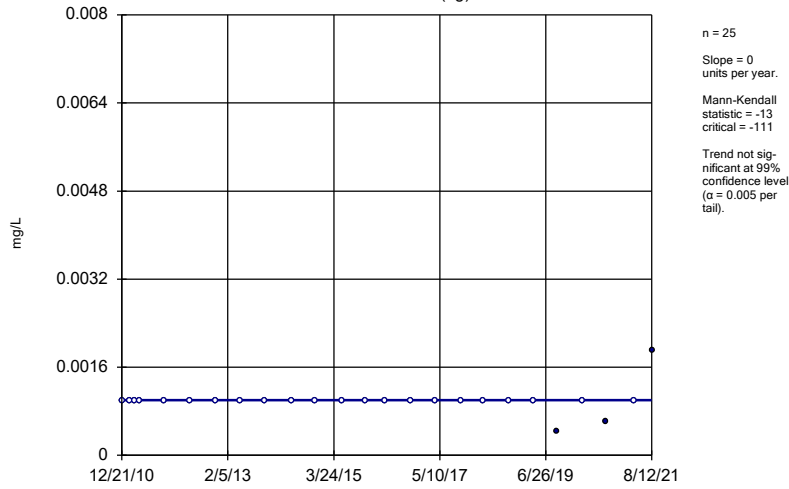
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-48 (bg)



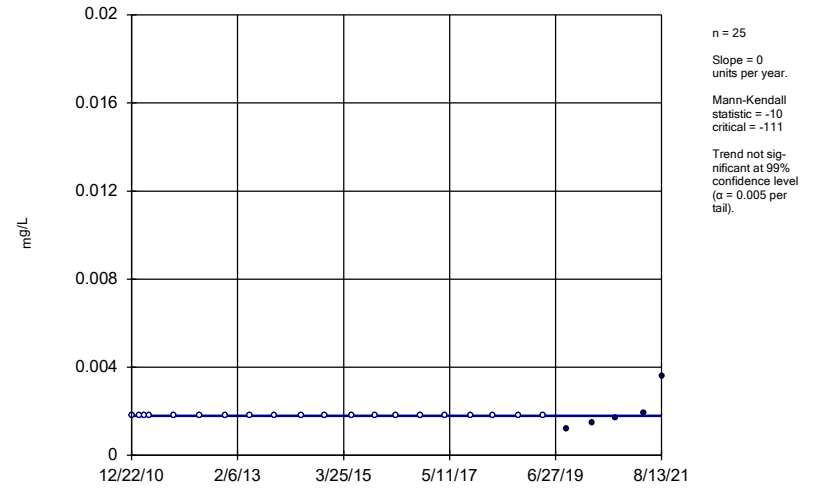
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-49 (bg)



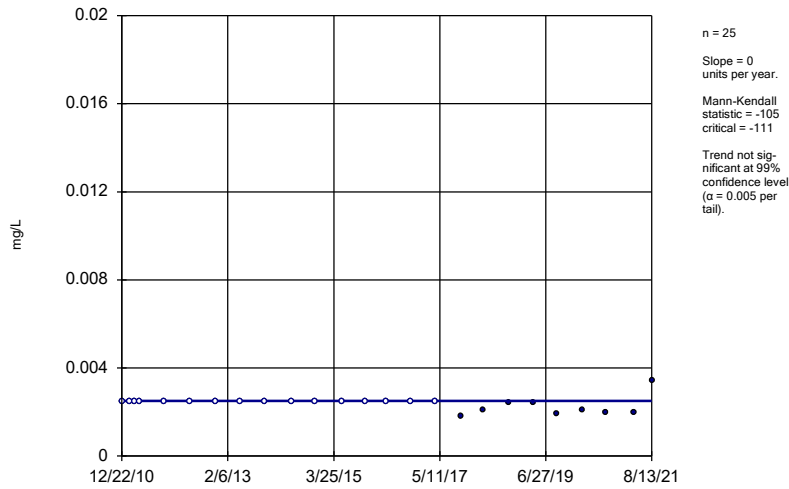
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-50



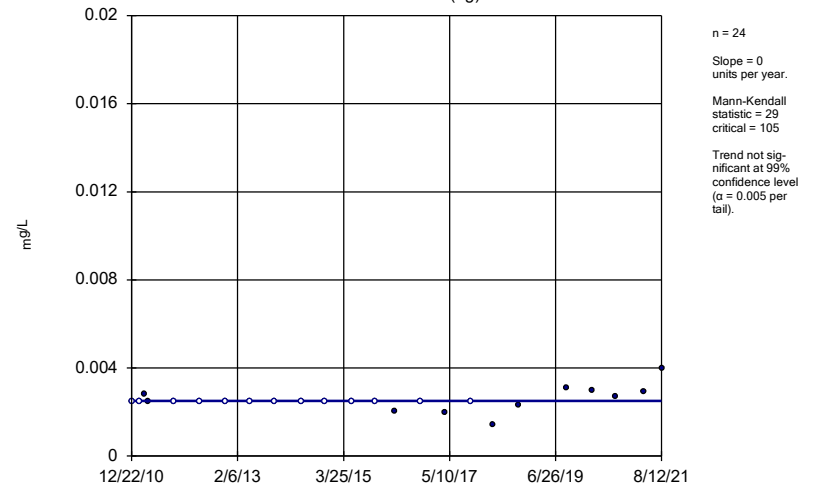
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWC-51



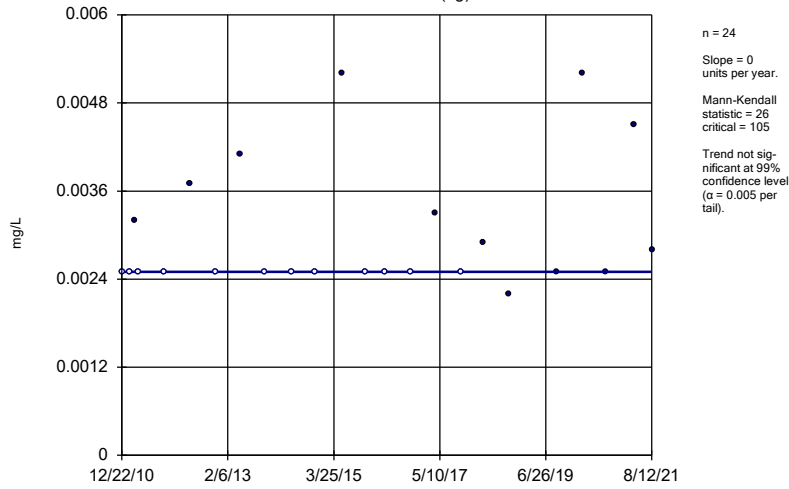
Constituent: Nickel, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-21 (bg)



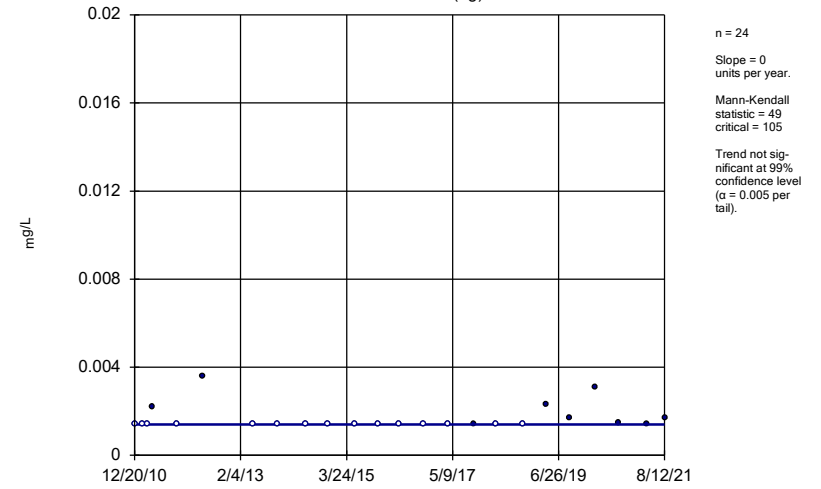
Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-22 (bg)



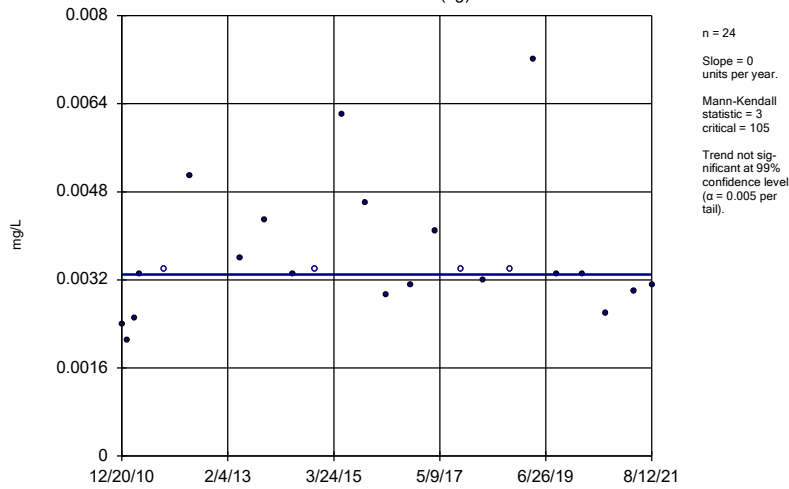
Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-45 (bg)



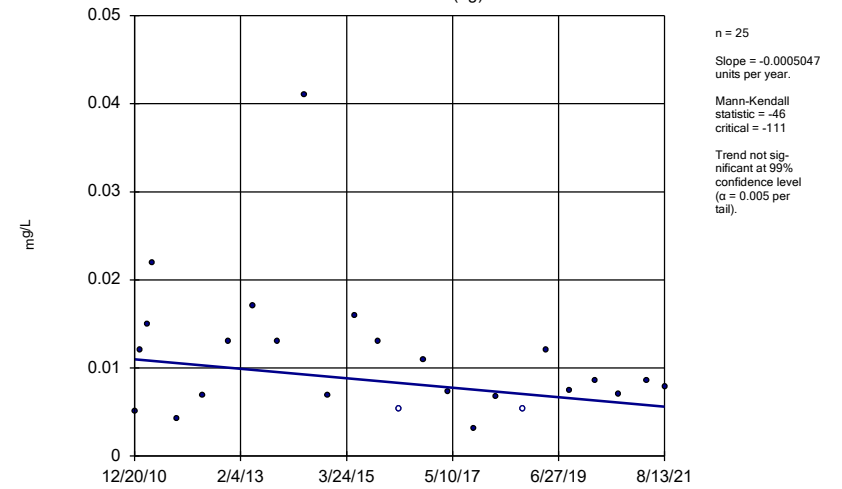
Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
GWA-46 (bg)



Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

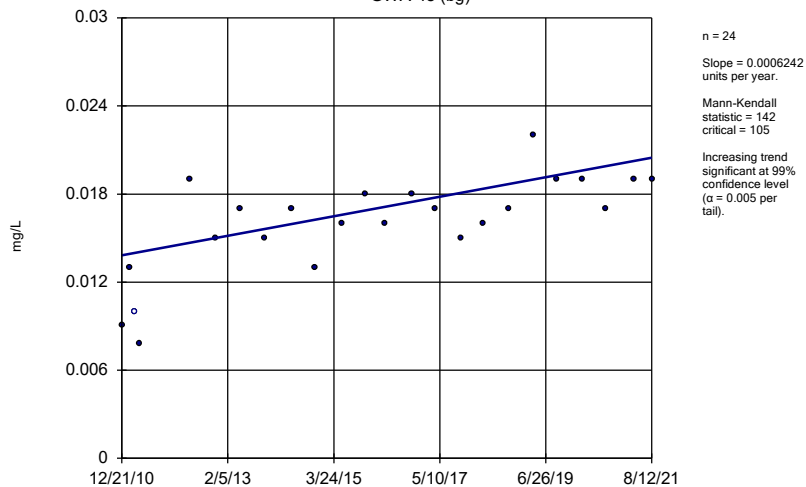
Sen's Slope Estimator  
GWA-47 (bg)



Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

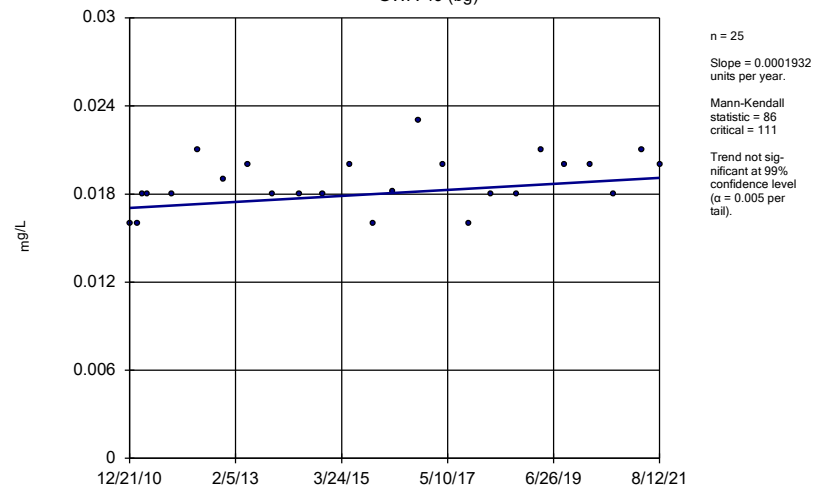
GWA-48 (bg)



Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

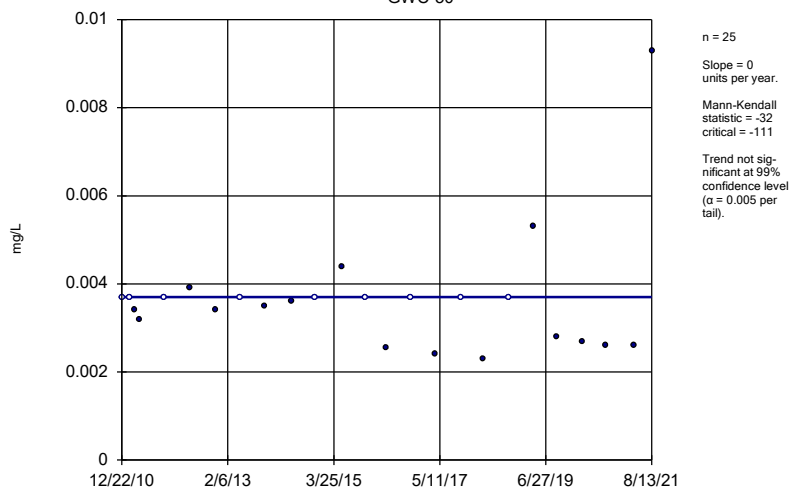
GWA-49 (bg)



Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWC-50



Constituent: Vanadium, Total Analysis Run 9/18/2021 5:30 PM View: Trend Tests PL Exceedances App I  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



FIGURE G.

# Appendix III Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBq	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-52	19.24	n/a	8/17/2021	22	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-45	12	n/a	8/12/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2	
Chloride (mg/L)	GWA-46	4.852	n/a	8/12/2021	5.5	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-47	1.787	n/a	8/13/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-51	7.599	n/a	8/13/2021	8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2	
Fluoride (mg/L)	GWA-46	0.1	n/a	8/12/2021	0.11	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
pH (S.U.)	GWA-45	6.48	5.95	8/12/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2	
pH (S.U.)	GWC-29	6.059	5.652	8/13/2021	6.18	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2	
Sulfate (mg/L)	GWC-52	26.14	n/a	8/17/2021	54	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2	

# Appendix III Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC-CCR    Printed 9/19/2021, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-21	0.08	n/a	8/12/2021	0.08ND	No	15	n/a	n/a	86.67	n/a	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron (mg/L)	GWA-45	1.23	n/a	8/12/2021	1.1	No	15	0.5984	0.288	0	None	No	0.001504	Param Intra 1 of 2	
Boron (mg/L)	GWA-47	0.08	n/a	8/13/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Boron (mg/L)	GWA-48	0.08	n/a	8/12/2021	0.08ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Boron (mg/L)	GWC-29	0.08	n/a	8/13/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Boron (mg/L)	GWC-53	1.103	n/a	8/13/2021	0.94	No	15	0.9376	0.0752	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-21	11.54	n/a	8/12/2021	7.2	No	15	8.885	1.213	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-22	9.681	n/a	8/12/2021	6	No	15	6.973	1.235	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-45	46.75	n/a	8/12/2021	26	No	15	36.75	4.558	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-46	7.002	n/a	8/12/2021	6.1	No	15	5.705	0.5914	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-47	12.34	n/a	8/13/2021	11	No	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-48	14.32	n/a	8/12/2021	12	No	15	12.53	0.813	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWA-49	15.64	n/a	8/12/2021	14	No	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWC-29	16	n/a	8/13/2021	15	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2	
Calcium (mg/L)	GWC-50	8.176	n/a	8/13/2021	7.2	No	15	7.156	0.465	0	None	No	0.001504	Param Intra 1 of 2	
Calcium (mg/L)	GWC-51	7.763	n/a	8/13/2021	7	No	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2	
<b>Calcium (mg/L)</b>	<b>GWC-52</b>	<b>19.24</b>	<b>n/a</b>	<b>8/17/2021</b>	<b>22</b>	<b>Yes</b>	<b>15</b>	<b>14.34</b>	<b>2.233</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Calcium (mg/L)	GWC-53	21.11	n/a	8/13/2021	17	No	15	17.19	1.786	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-21	4.319	n/a	8/12/2021	4.1	No	15	3.296	0.4668	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-22	4.968	n/a	8/12/2021	2.7	No	15	2.927	0.9308	0	None	No	0.001504	Param Intra 1 of 2	
<b>Chloride (mg/L)</b>	<b>GWA-45</b>	<b>12</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>13</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (normality) 1 of 2</b>	
<b>Chloride (mg/L)</b>	<b>GWA-46</b>	<b>4.852</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>5.5</b>	<b>Yes</b>	<b>15</b>	<b>3.488</b>	<b>0.6223</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
<b>Chloride (mg/L)</b>	<b>GWA-47</b>	<b>1.787</b>	<b>n/a</b>	<b>8/13/2021</b>	<b>1.8</b>	<b>Yes</b>	<b>15</b>	<b>1.478</b>	<b>0.1408</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Chloride (mg/L)	GWA-48	1.996	n/a	8/12/2021	1.8	No	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWA-49	2.384	n/a	8/12/2021	2.2	No	15	2.072	0.1421	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-29	4.145	n/a	8/13/2021	3.7	No	14	3.393	0.3362	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-50	2.183	n/a	8/13/2021	2.1	No	15	1.953	0.105	0	None	No	0.001504	Param Intra 1 of 2	
<b>Chloride (mg/L)</b>	<b>GWC-51</b>	<b>7.599</b>	<b>n/a</b>	<b>8/13/2021</b>	<b>8</b>	<b>Yes</b>	<b>14</b>	<b>6.793</b>	<b>0.3605</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Chloride (mg/L)	GWC-52	8.538	n/a	8/17/2021	8.3	No	14	7.9	0.2855	0	None	No	0.001504	Param Intra 1 of 2	
Chloride (mg/L)	GWC-53	13	n/a	8/13/2021	13	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2	
Fluoride (mg/L)	GWA-21	0.082	n/a	8/12/2021	0.04J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-22	0.082	n/a	8/12/2021	0.028J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-45	0.1	n/a	8/12/2021	0.1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
<b>Fluoride (mg/L)</b>	<b>GWA-46</b>	<b>0.1</b>	<b>n/a</b>	<b>8/12/2021</b>	<b>0.11</b>	<b>Yes</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>	<b>86.67</b>	<b>n/a</b>	<b>n/a</b>	<b>0.007533</b>	<b>NP Intra (NDs) 1 of 2</b>	
Fluoride (mg/L)	GWA-47	0.1	n/a	8/13/2021	0.09J	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-48	0.1	n/a	8/12/2021	0.052J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWA-49	0.082	n/a	8/12/2021	0.058J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-29	0.082	n/a	8/13/2021	0.065J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-50	0.1	n/a	8/13/2021	0.048J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-51	0.1	n/a	8/13/2021	0.043J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-52	0.082	n/a	8/17/2021	0.094J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Fluoride (mg/L)	GWC-53	0.1	n/a	8/13/2021	0.034J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
pH (S.U.)	GWA-21	5.979	5.611	8/12/2021	5.88	No	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWA-22	6.255	5.546	8/12/2021	5.91	No	18	5.901	0.1685	0	None	No	0.000752	Param Intra 1 of 2	
<b>pH (S.U.)</b>	<b>GWA-45</b>	<b>6.48</b>	<b>5.95</b>	<b>8/12/2021</b>	<b>5.92</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01183</b>	<b>NP Intra (normality) 1 of 2</b>	
pH (S.U.)	GWA-46	6.83	5.71	8/12/2021	5.71	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2	
pH (S.U.)	GWA-47	6.578	6.308	8/13/2021	6.33	No	19	6.443	0.06488	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWA-48	6.953	6.562	8/12/2021	6.86	No	17	6.758	0.09196	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWA-49	7.057	6.66	8/12/2021	6.86	No	17	6.858	0.09329	0	None	No	0.000752	Param Intra 1 of 2	
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>6.059</b>	<b>5.652</b>	<b>8/13/2021</b>	<b>6.18</b>	<b>Yes</b>	<b>17</b>	<b>5.855</b>	<b>0.09566</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	<b>Param Intra 1 of 2</b>	

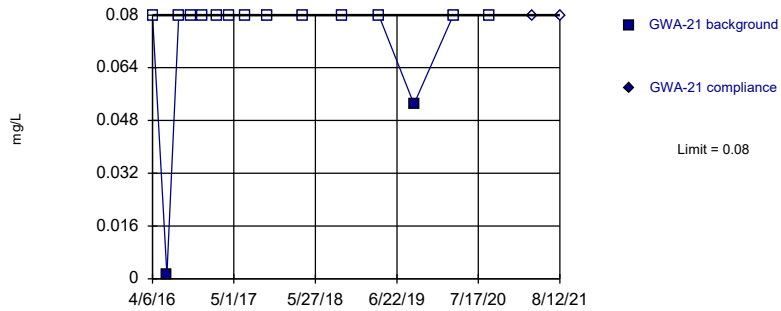
# Appendix III Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (S.U.)	GWC-50	5.967	5.667	8/13/2021	5.86	No	18	5.817	0.07136	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWC-51	5.975	5.734	8/13/2021	5.92	No	18	5.854	0.05721	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWC-52	6.787	6.516	8/17/2021	6.63	No	18	6.652	0.06447	0	None	No	0.000752	Param Intra 1 of 2	
pH (S.U.)	GWC-53	5.76	5.427	8/13/2021	5.47	No	17	5.594	0.07834	0	None	No	0.000752	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-21	2.559	n/a	8/12/2021	1.8	No	15	1.375	0.5398	6.667	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-22	1	n/a	8/12/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWA-45	183.3	n/a	8/12/2021	180	No	15	147.8	16.19	0	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-46	1	n/a	8/12/2021	1	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWA-47	1	n/a	8/13/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWA-48	1.689	n/a	8/12/2021	1	No	15	1.235	0.2069	0	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWA-49	1	n/a	8/12/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWC-29	3.367	n/a	8/13/2021	2.7	No	15	2.643	0.33	6.667	None	No	0.001504	Param Intra 1 of 2	
Sulfate (mg/L)	GWC-50	1	n/a	8/13/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
Sulfate (mg/L)	GWC-51	2.7	n/a	8/13/2021	1.4	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2	
<b>Sulfate (mg/L)</b>	<b>GWC-52</b>	<b>26.14</b>	<b>n/a</b>	<b>8/17/2021</b>	<b>54</b>	<b>Yes</b>	<b>11</b>	<b>12.62</b>	<b>5.636</b>	<b>9.091</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>	
Sulfate (mg/L)	GWC-53	186.4	n/a	8/13/2021	170	No	15	153.7	14.9	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-21	129.8	n/a	8/12/2021	98	No	15	85.4	20.24	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-22	105.2	n/a	8/12/2021	68	No	15	66.13	17.82	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-45	366.7	n/a	8/12/2021	330	No	15	271.8	43.29	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-46	94.72	n/a	8/12/2021	55	No	15	51.77	19.59	6.667	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-47	118.4	n/a	8/13/2021	110	No	15	86.07	14.72	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-48	126.5	n/a	8/12/2021	100	No	15	92.53	15.48	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWA-49	131.2	n/a	8/12/2021	120	No	14	107.4	10.65	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-29	139.5	n/a	8/13/2021	120	No	15	90.67	22.27	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-50	119.1	n/a	8/13/2021	72	No	15	70.53	22.17	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-51	108.7	n/a	8/13/2021	92	No	14	77.07	14.12	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-52	193.6	n/a	8/17/2021	180	No	15	128.3	29.78	0	None	No	0.001504	Param Intra 1 of 2	
Total Dissolved Solids (mg/L)	GWC-53	332.3	n/a	8/13/2021	290	No	15	254.5	35.48	0	None	No	0.001504	Param Intra 1 of 2	

Within Limit

Prediction Limit  
Intrawell Non-parametric

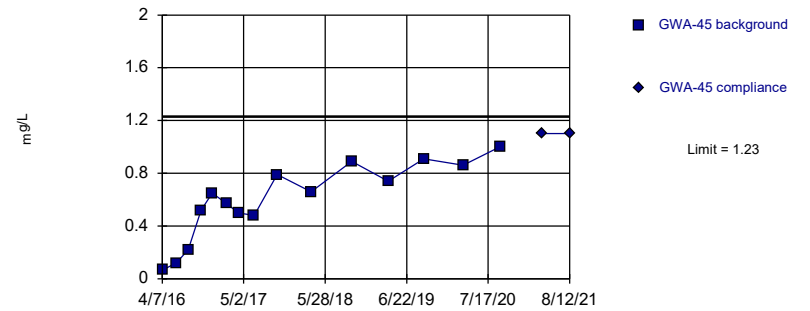


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

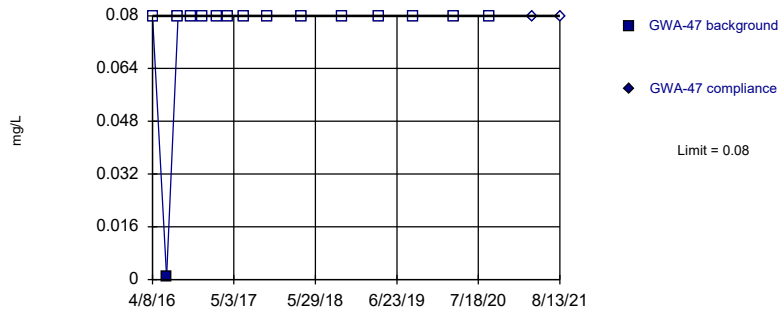


Background Data Summary: Mean=0.5984, Std. Dev.=0.288, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9372, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

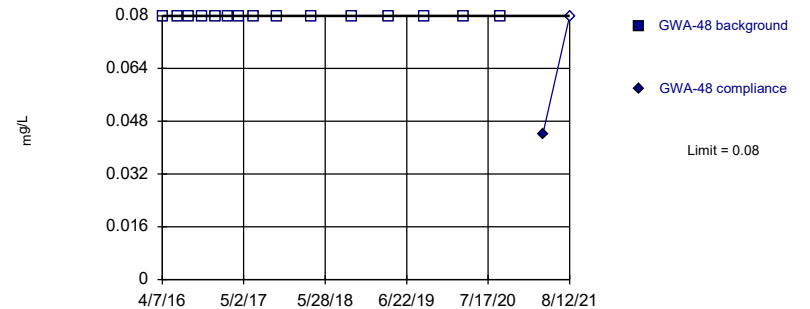


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

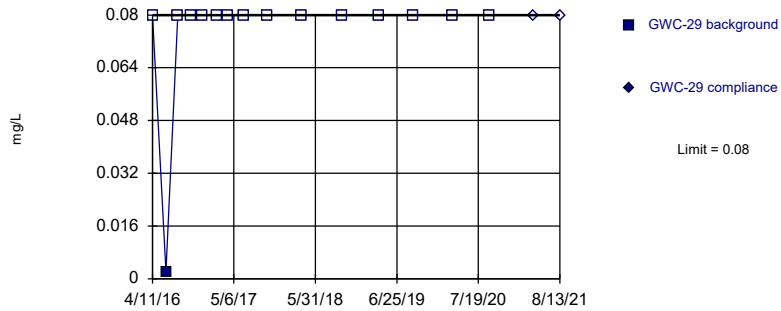


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

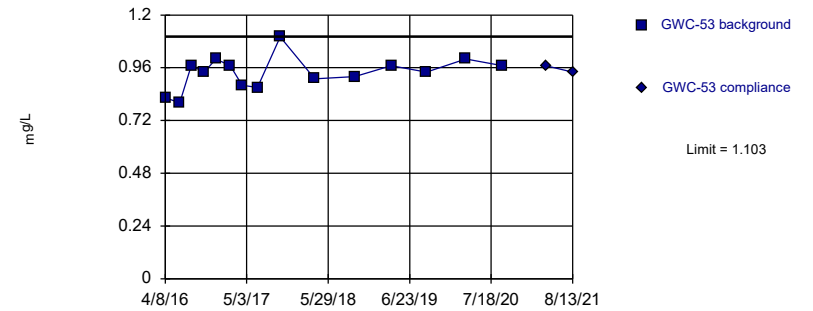


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

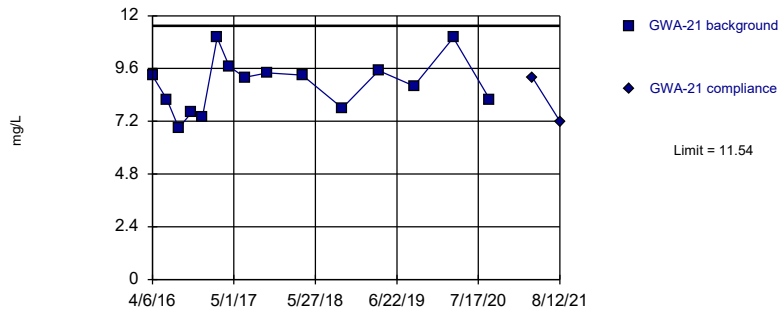


Background Data Summary: Mean=0.9376, Std. Dev.=0.0752, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9611, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

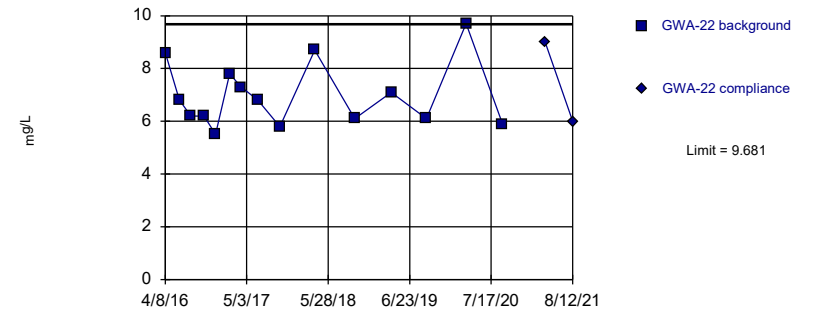


Background Data Summary: Mean=8.885, Std. Dev.=1.213, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9506, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

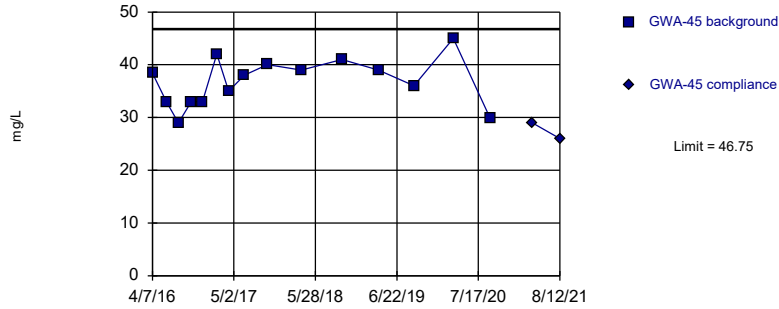


Background Data Summary: Mean=6.973, Std. Dev.=1.235, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8995, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

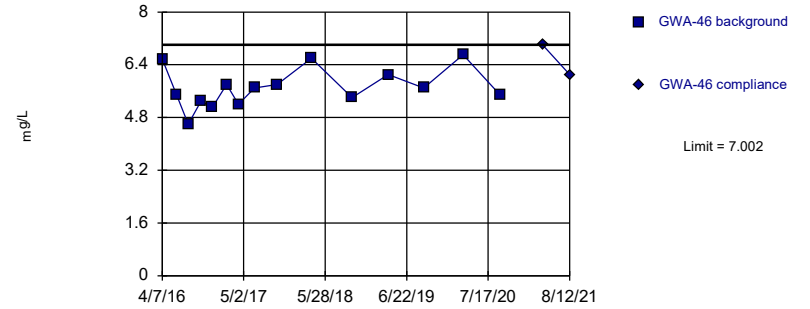


Background Data Summary: Mean=36.75, Std. Dev.=4.558, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

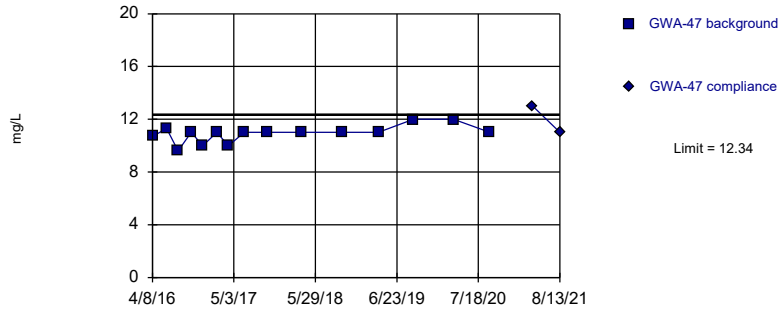


Background Data Summary: Mean=5.705, Std. Dev.=0.5914, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9516, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium Analysis Run 9/19/2021 8:30 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

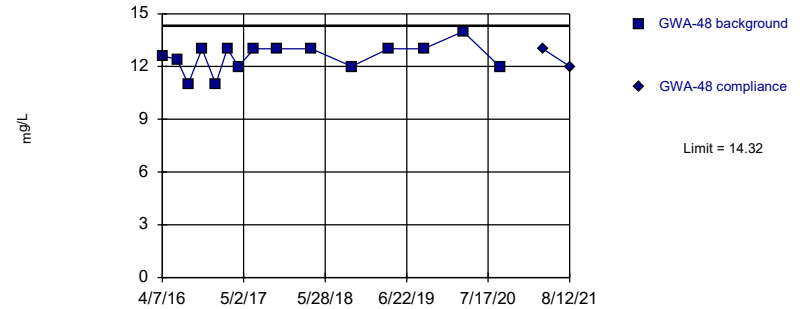


Background Data Summary: Mean=10.91, Std. Dev.=0.6552, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8635, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=12.53, Std. Dev.=0.813, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8771, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

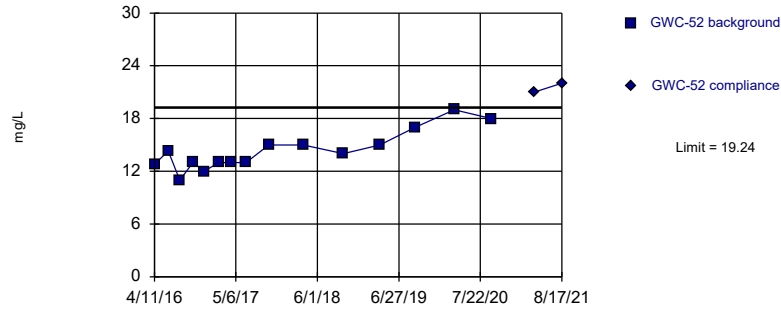
Constituent: Calcium Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR





Exceeds Limit

Prediction Limit  
Intrawell Parametric

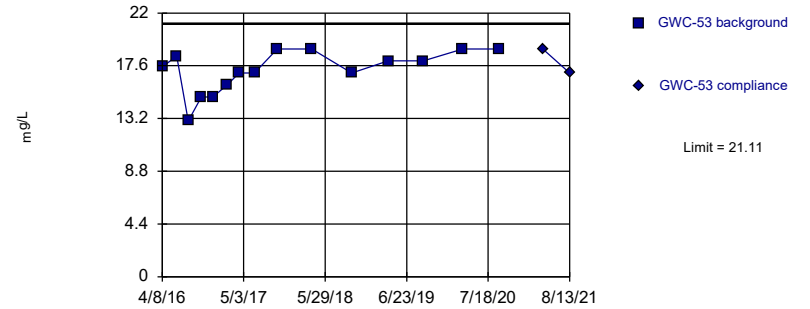


Background Data Summary: Mean=14.34, Std. Dev.=2.233, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9238, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

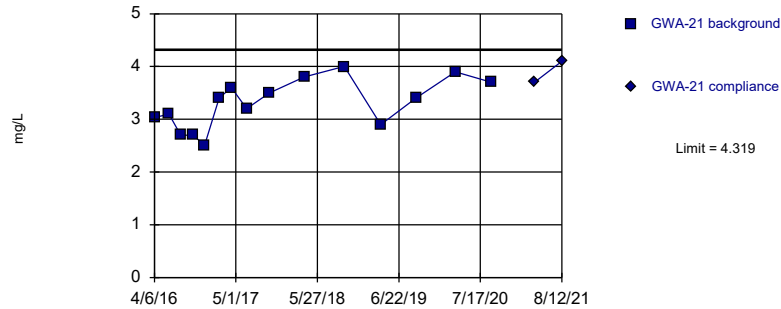


Background Data Summary: Mean=17.19, Std. Dev.=1.786, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

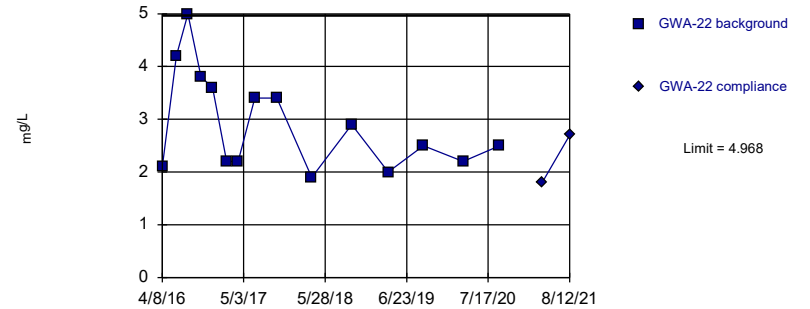


Background Data Summary: Mean=3.296, Std. Dev.=0.4668, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9635, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

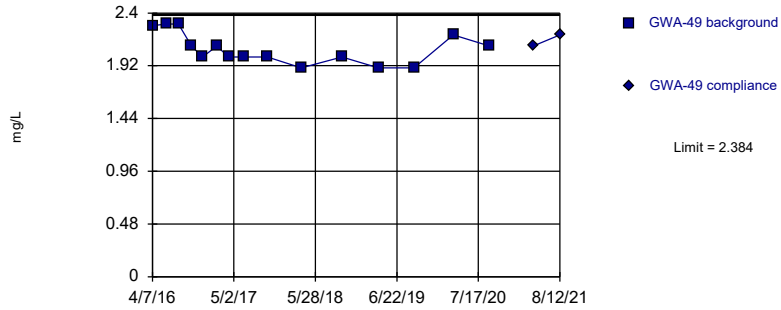


Background Data Summary: Mean=2.927, Std. Dev.=0.9308, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8957, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



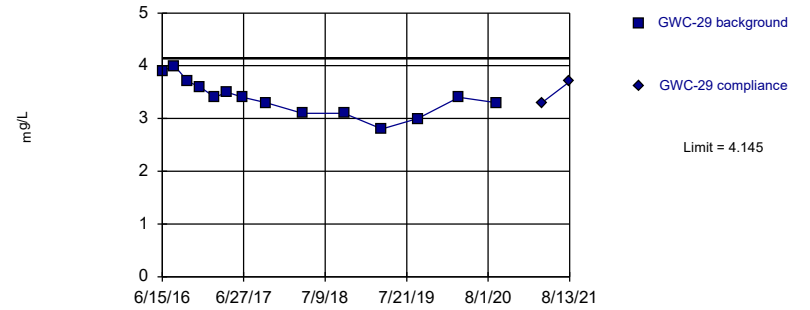
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.072, Std. Dev.=0.1421, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.879, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

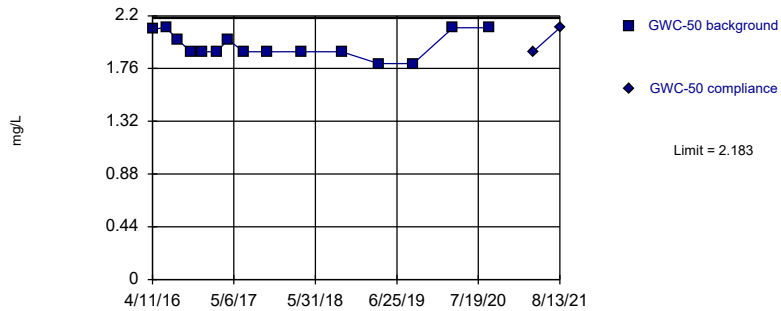
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=3.393, Std. Dev.=0.3362, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9776, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

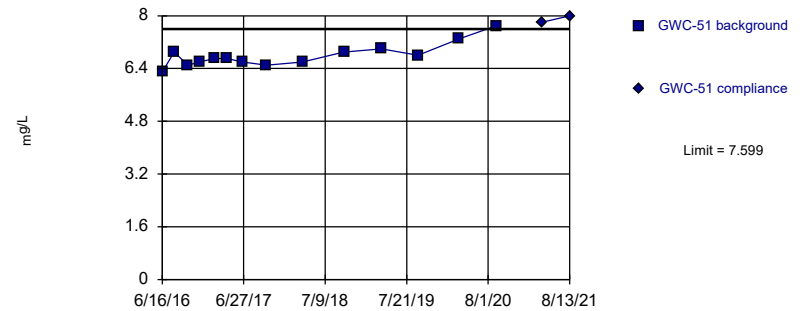
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.953, Std. Dev.=0.105, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8463, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit Prediction Limit  
Intrawell Parametric

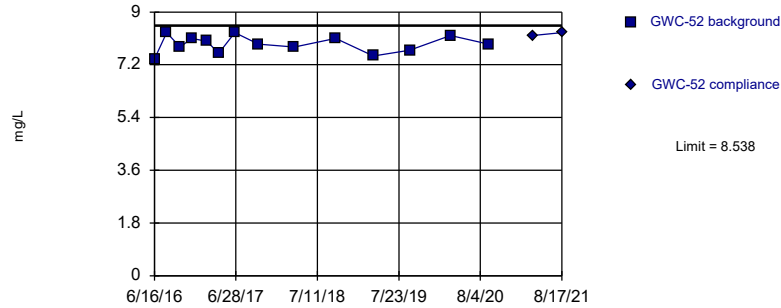


Background Data Summary: Mean=6.793, Std. Dev.=0.3605, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

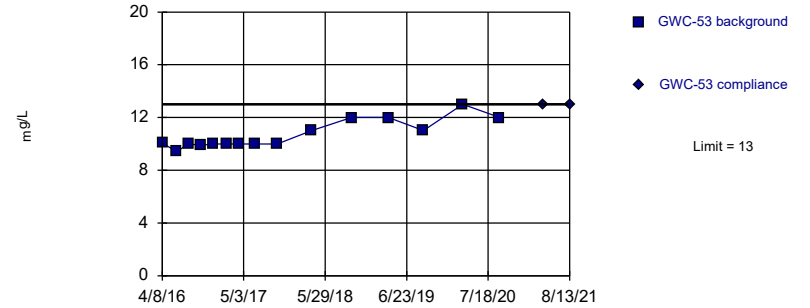


Background Data Summary: Mean=7.9, Std. Dev.=0.2855, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9613, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

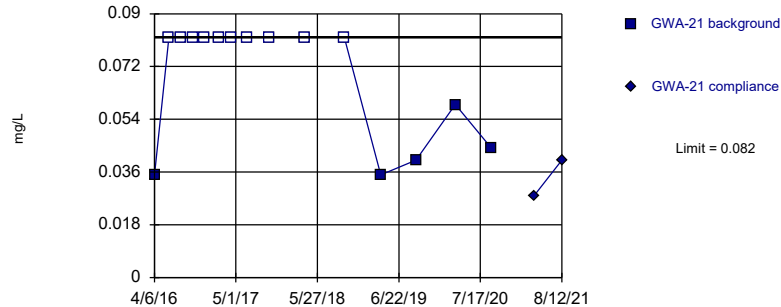


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

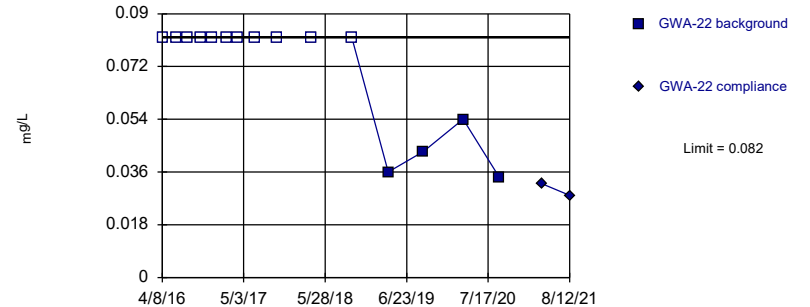


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

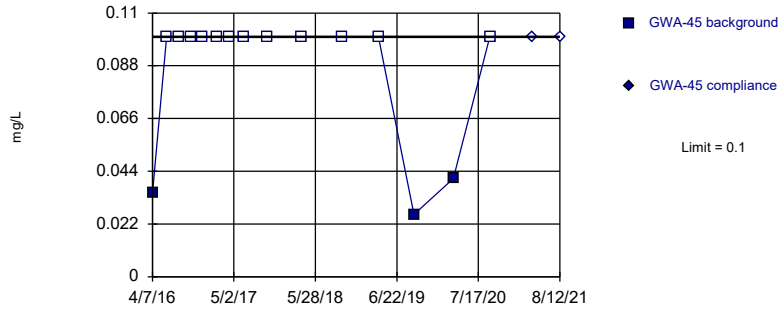


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

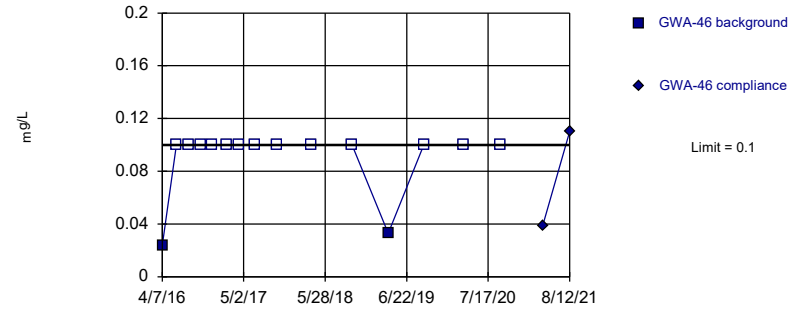


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

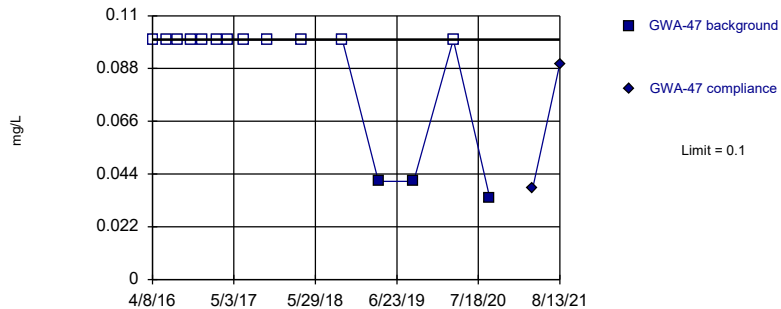


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

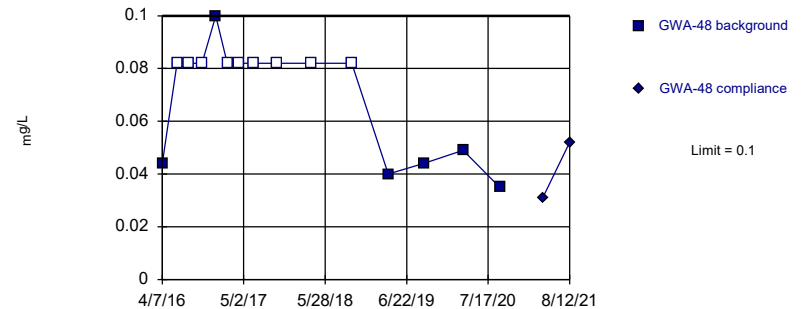


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

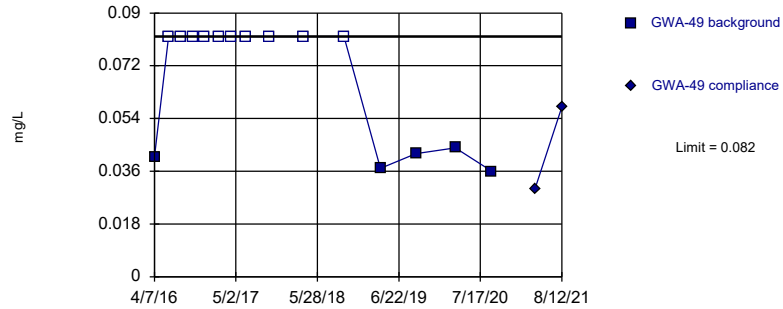


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

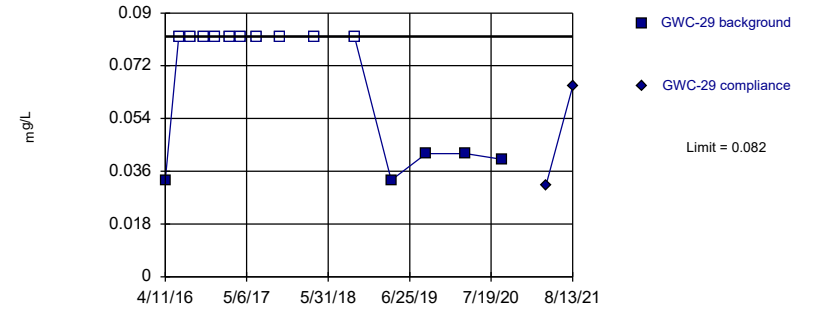


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

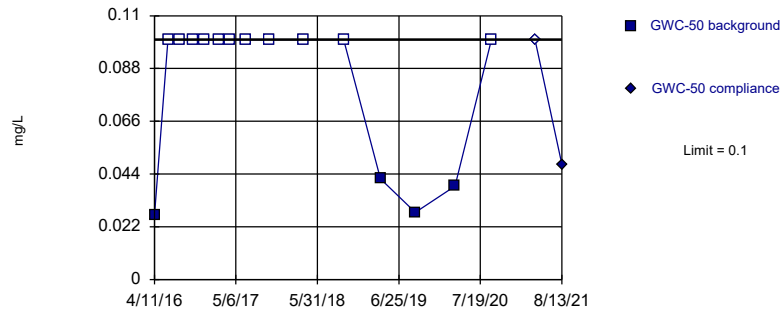


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

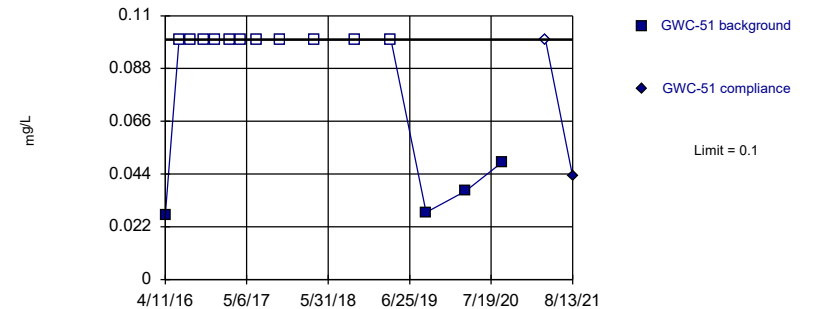


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

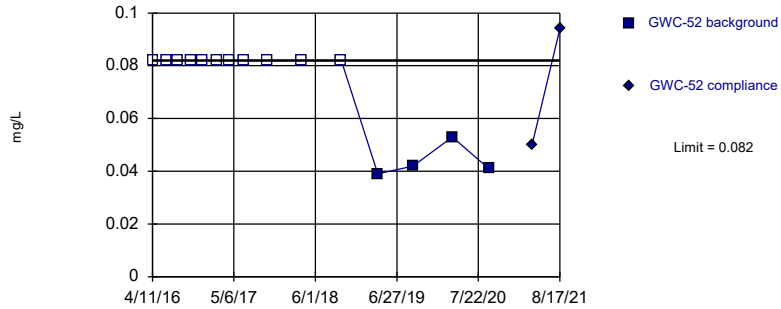


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

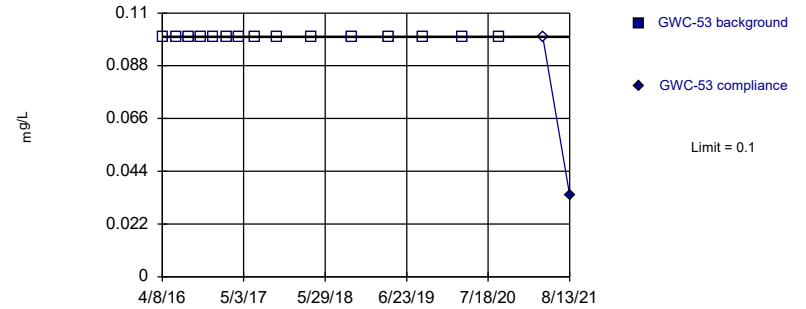


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

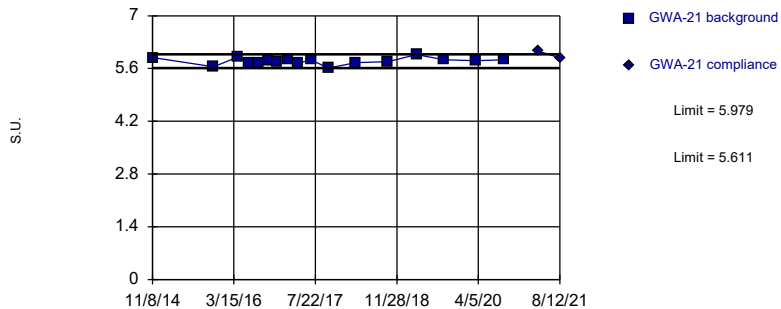


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

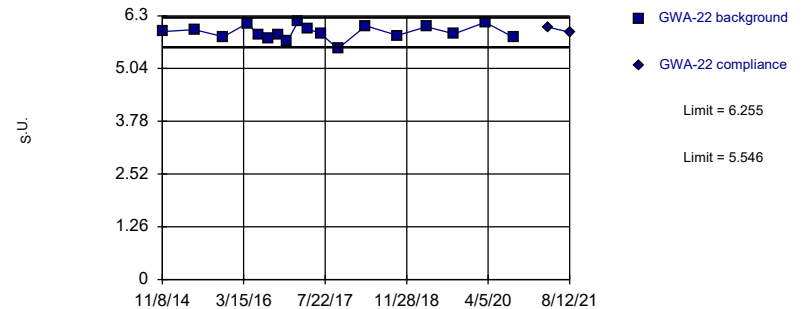


Background Data Summary: Mean=5.795, Std. Dev.=0.08654, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.961, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

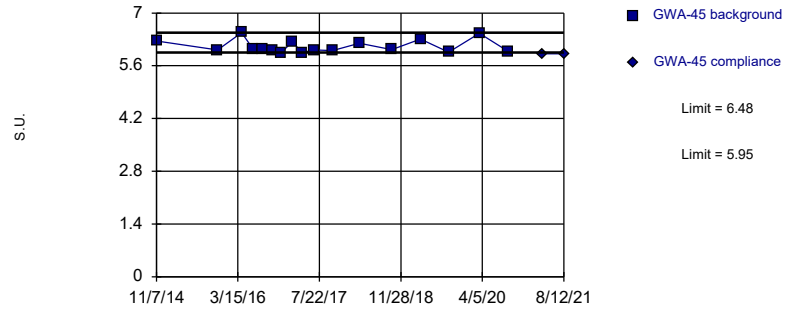


Background Data Summary: Mean=5.901, Std. Dev.=0.1685, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limits

Prediction Limit  
Intrawell Non-parametric

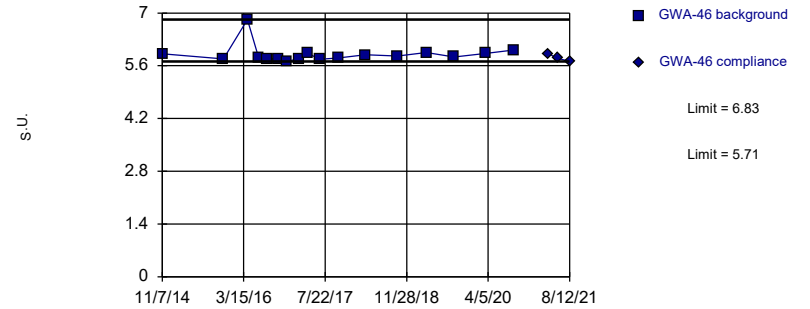


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

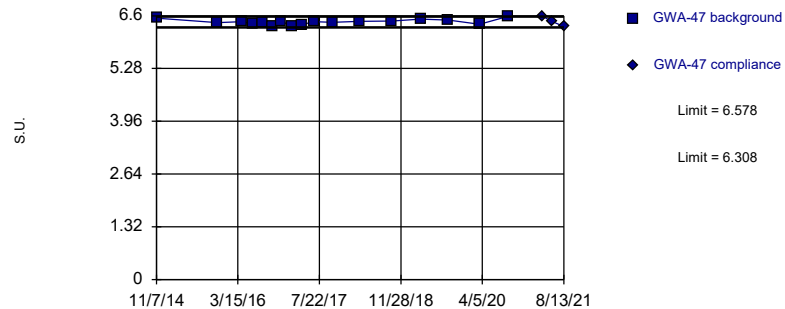


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

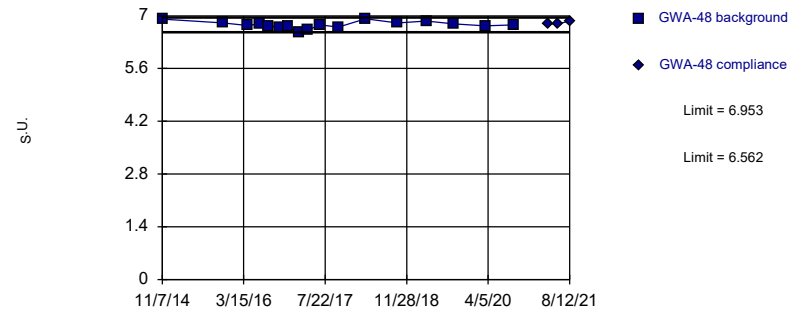


Background Data Summary: Mean=6.443, Std. Dev.=0.06488, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9705, critical = 0.863. Kappa = 2.081 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric



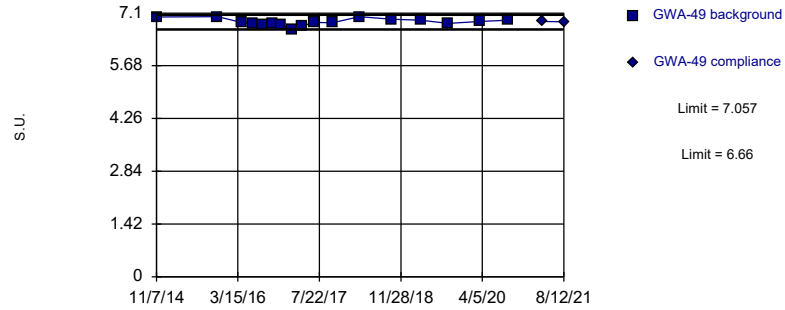
Background Data Summary: Mean=6.758, Std. Dev.=0.09196, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9653, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Within Limits

Prediction Limit  
Intrawell Parametric

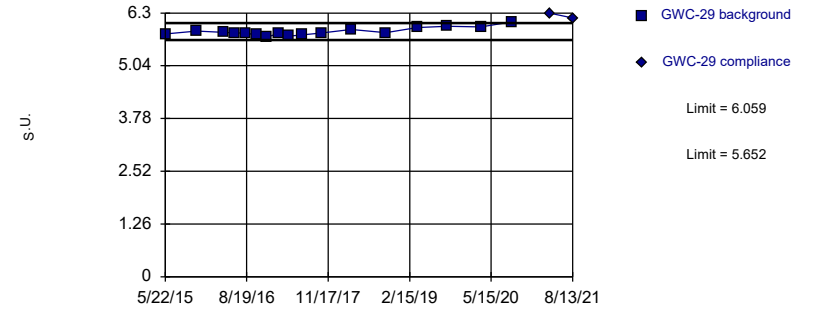


Background Data Summary: Mean=6.858, Std. Dev.=0.09329, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9581, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

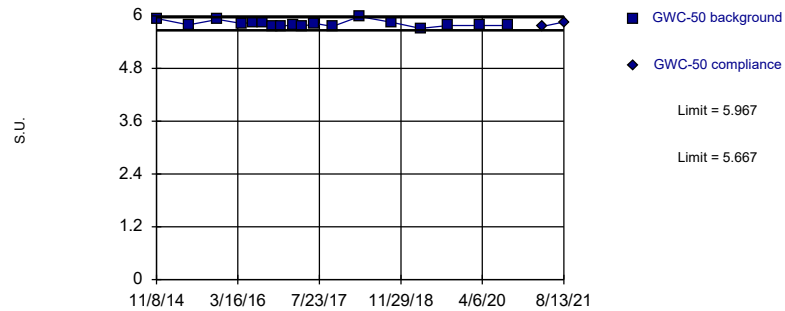


Background Data Summary: Mean=5.855, Std. Dev.=0.09566, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

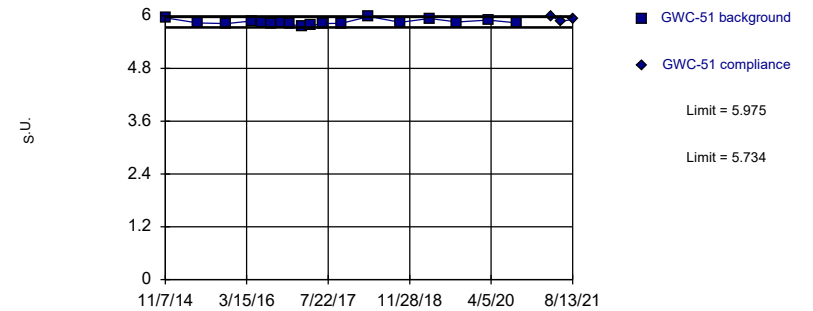


Background Data Summary: Mean=5.817, Std. Dev.=0.07136, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9175, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

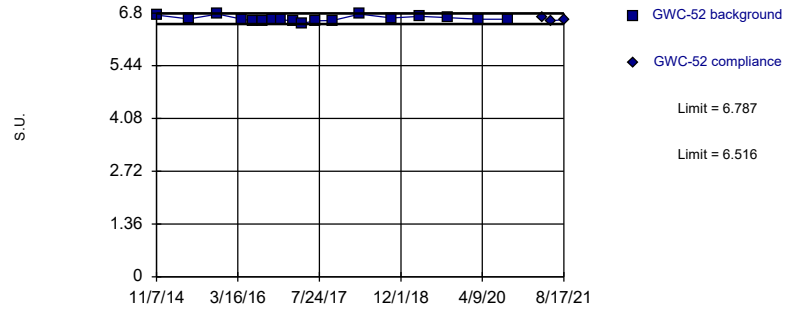


Background Data Summary: Mean=5.854, Std. Dev.=0.05721, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.93, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

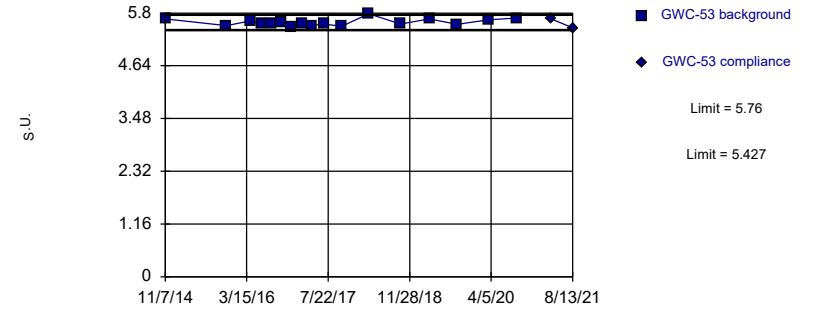


Background Data Summary: Mean=6.652, Std. Dev.=0.06447, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9303, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limits

Prediction Limit  
Intrawell Parametric

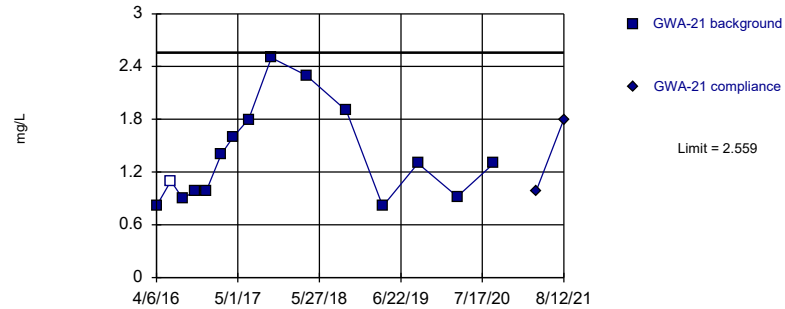


Background Data Summary: Mean=5.594, Std. Dev.=0.07834, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

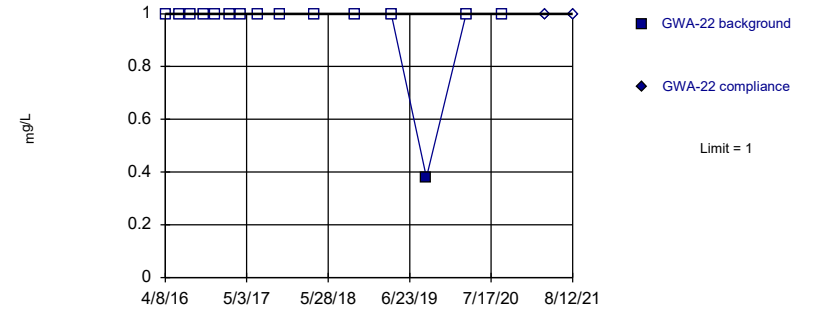


Background Data Summary: Mean=1.375, Std. Dev.=0.5398, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8886, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

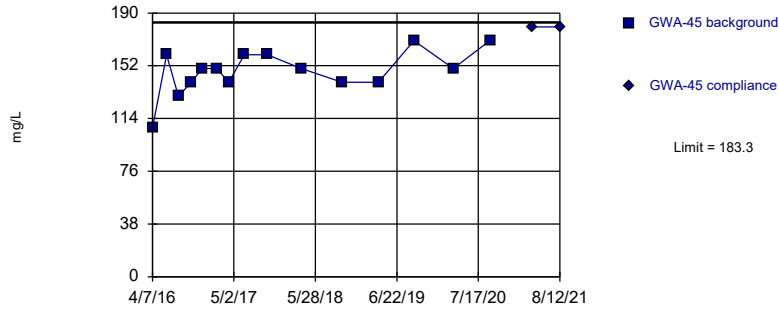


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



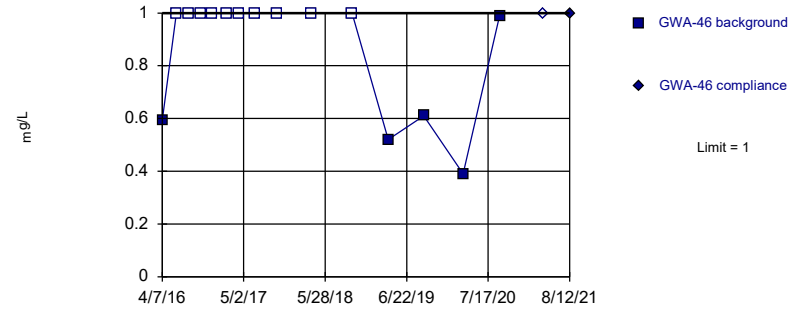
Background Data Summary: Mean=147.8, Std. Dev.=16.19, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



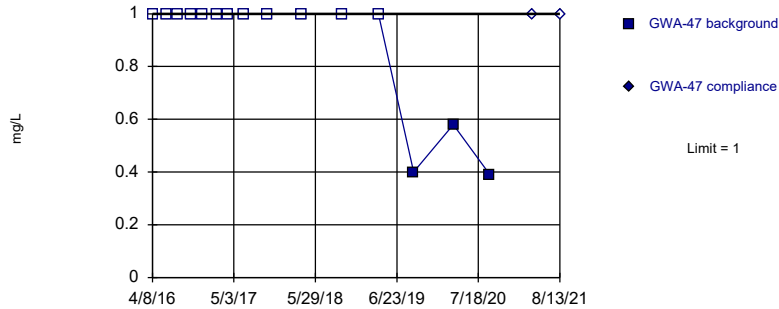
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

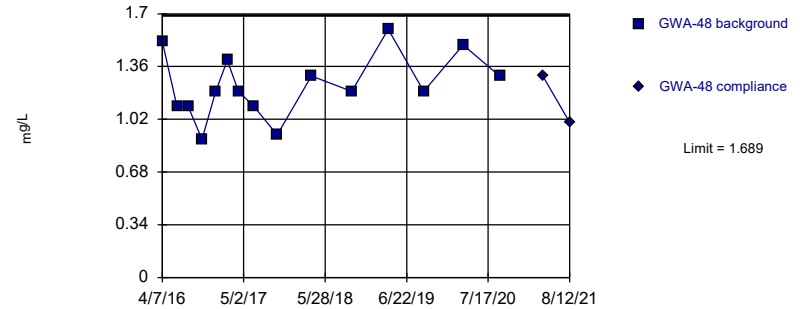


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

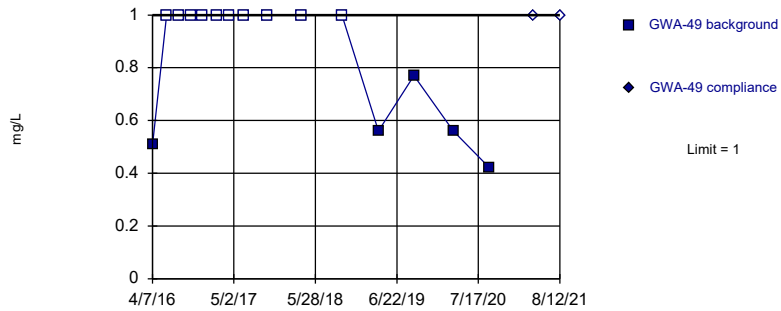


Background Data Summary: Mean=1.235, Std. Dev.=0.2069, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9553, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

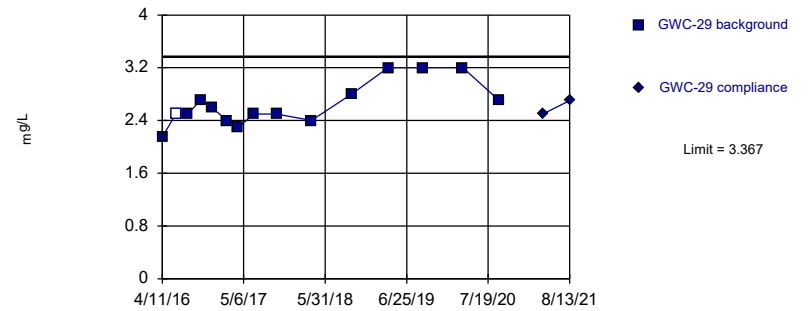


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

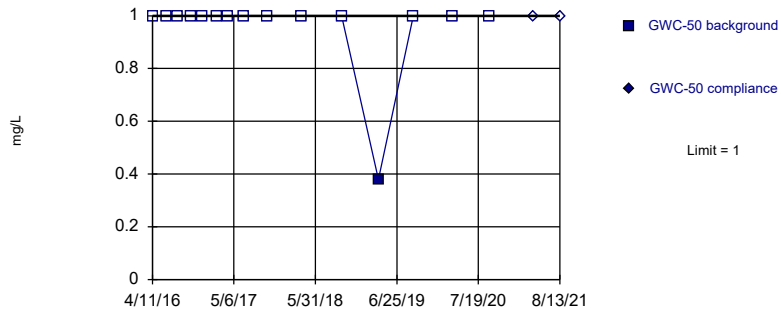


Background Data Summary: Mean=2.643, Std. Dev.=0.33, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8858, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

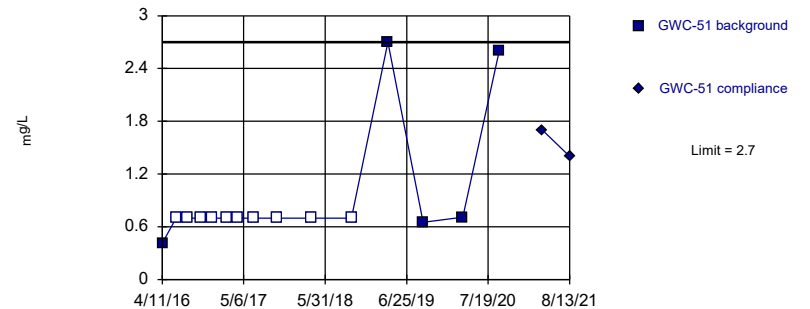


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

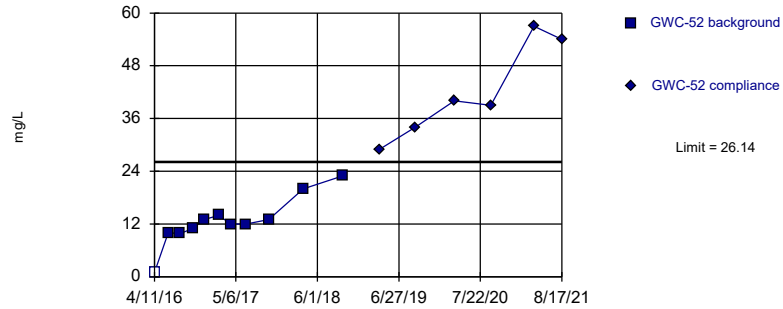


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Exceeds Limit

Prediction Limit  
 Intrawell Parametric

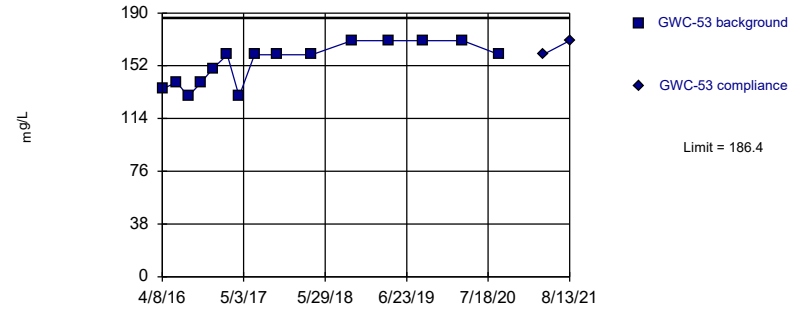


Background Data Summary: Mean=12.62, Std. Dev.=5.636, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9059, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

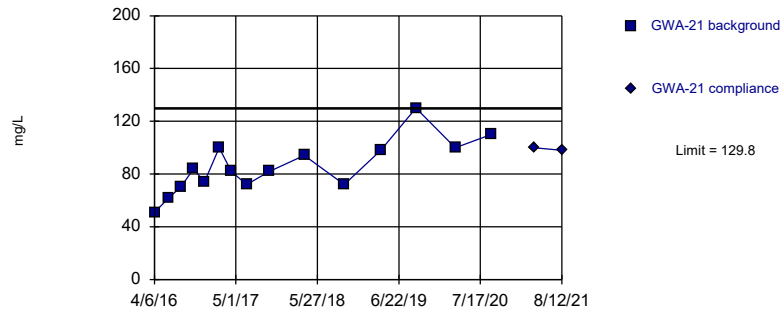


Background Data Summary: Mean=153.7, Std. Dev.=14.9, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.859, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

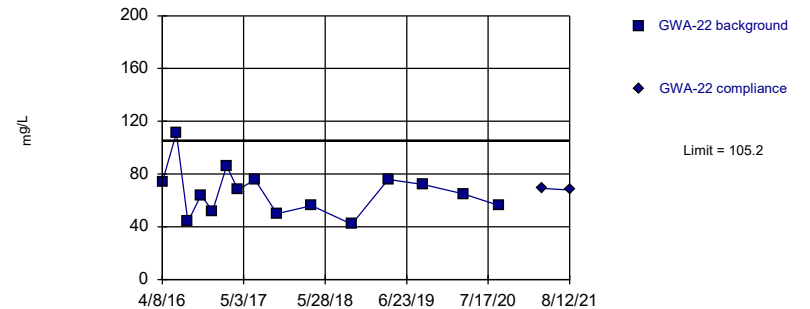


Background Data Summary: Mean=85.4, Std. Dev.=20.24, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9719, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

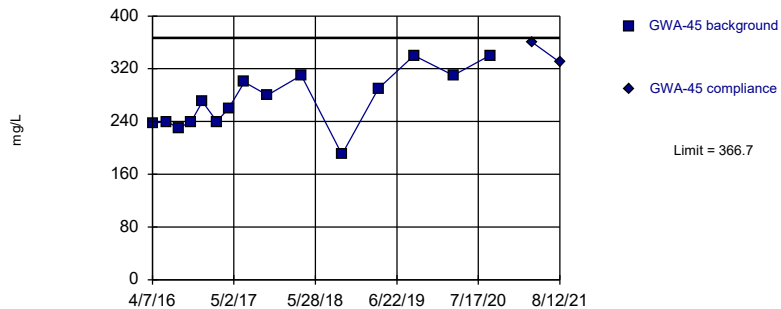


Background Data Summary: Mean=66.13, Std. Dev.=17.82, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

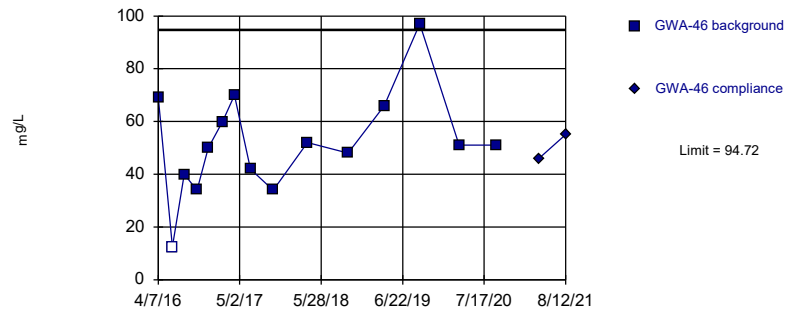


Background Data Summary: Mean=271.8, Std. Dev.=43.29, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9557, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

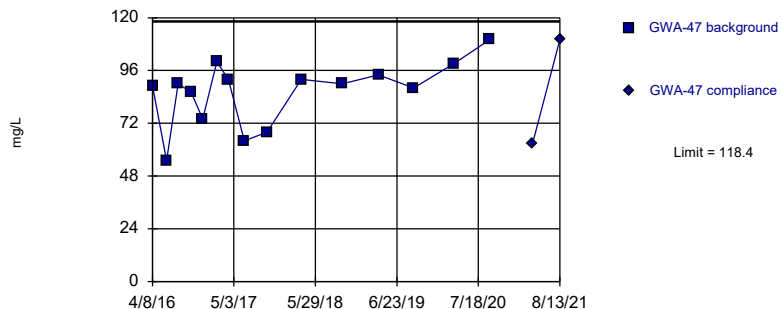


Background Data Summary: Mean=51.77, Std. Dev.=19.59, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9615, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

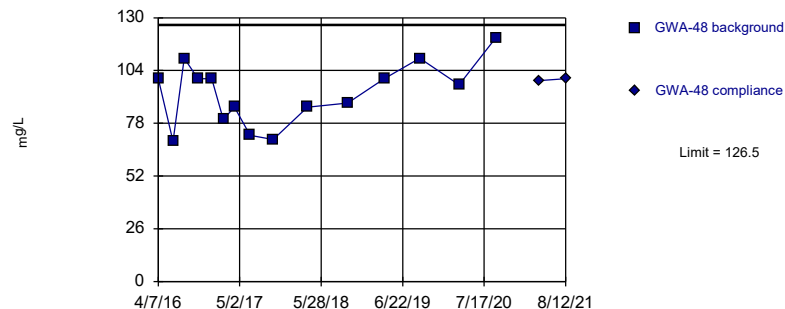


Background Data Summary: Mean=86.07, Std. Dev.=14.72, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9229, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

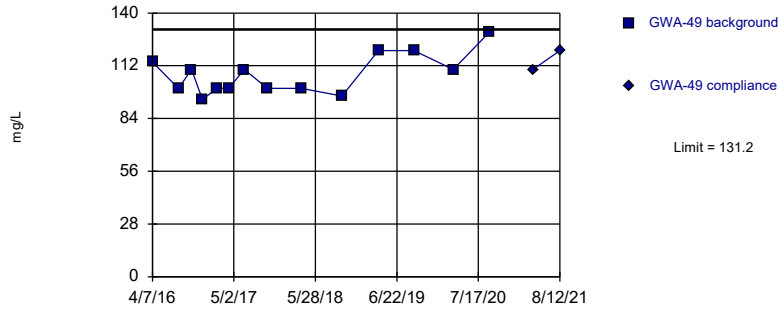
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=92.53, Std. Dev.=15.48, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

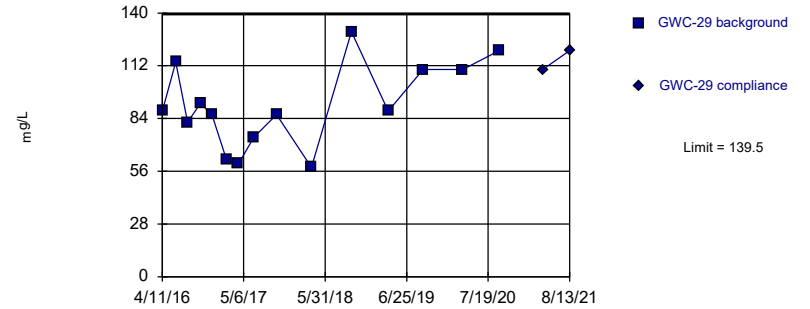
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=107.4, Std. Dev.=10.65, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:31 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

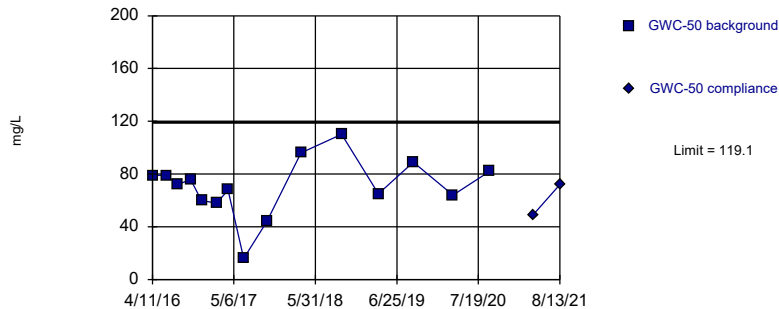
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=90.67, Std. Dev.=22.27, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9465, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:32 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

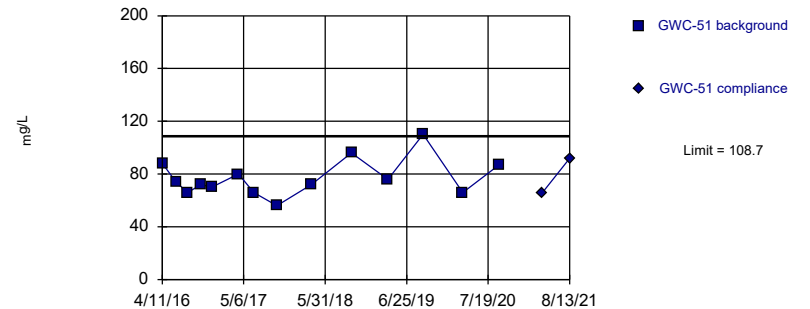
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=70.53, Std. Dev.=22.17, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9554, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:32 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit Prediction Limit  
Intrawell Parametric

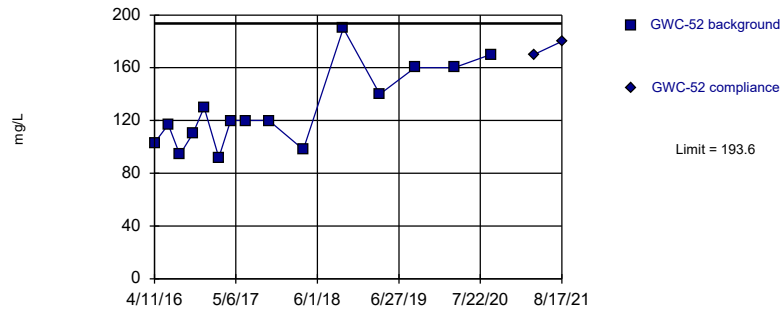


Background Data Summary: Mean=77.07, Std. Dev.=14.12, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:32 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric

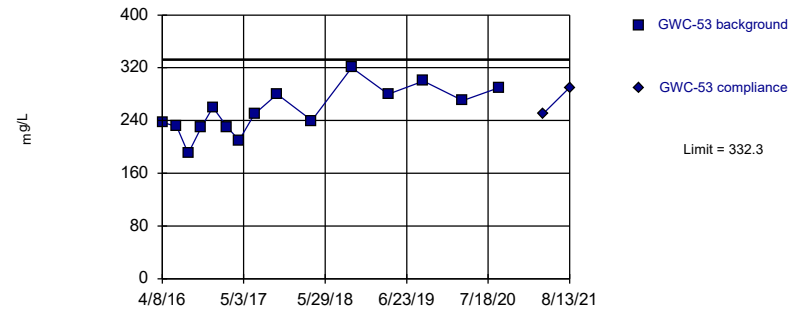


Background Data Summary: Mean=128.3, Std. Dev.=29.78, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9216, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:32 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=254.5, Std. Dev.=35.48, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9808, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids Analysis Run 9/19/2021 8:32 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
4/6/2016	<0.08	
6/14/2016	0.0012 (J)	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/2/2016	<0.08	
2/10/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/9/2017	<0.08	
3/26/2018	<0.08	
10/3/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	0.053	
3/19/2020	<0.08	
9/10/2020	<0.08	
4/2/2021		<0.08
8/12/2021		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
4/7/2016	0.0657 (J)	
6/14/2016	0.12	
8/9/2016	0.22	
10/10/2016	0.52	
12/2/2016	0.65	
2/9/2017	0.57	
4/7/2017	0.5	
6/22/2017	0.48	
10/10/2017	0.79	
3/22/2018	0.66	
10/3/2018	0.89	
3/27/2019	0.74	
9/12/2019	0.91	
3/19/2020	0.86	
9/11/2020	1	
4/2/2021		1.1
8/12/2021		1.1

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
4/8/2016	<0.08	
6/14/2016	0.00079 (J)	
8/9/2016	<0.08	
10/11/2016	<0.08	
12/5/2016	<0.08	
2/10/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/22/2018	<0.08	
10/5/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	<0.08	
3/20/2020	<0.08	
9/11/2020	<0.08	
4/5/2021		<0.08
8/13/2021		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
4/7/2016	<0.08	
6/17/2016	<0.08	
8/10/2016	<0.08	
10/14/2016	<0.08	
12/19/2016	<0.08	
2/13/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/23/2018	<0.08	
10/3/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	<0.08	
3/19/2020	<0.08	
9/11/2020	<0.08	
4/5/2021		0.044 (J)
8/12/2021		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
4/11/2016	<0.08	
6/15/2016	0.0021 (J)	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/5/2016	<0.08	
2/13/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/10/2017	<0.08	
3/26/2018	<0.08	
10/4/2018	<0.08	
3/28/2019	<0.08	
9/12/2019	<0.08	
3/19/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		<0.08
8/13/2021		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
4/8/2016	0.824	
6/16/2016	0.8 (J)	
8/11/2016	0.97	
10/13/2016	0.94	
12/6/2016	1	
2/13/2017	0.97	
4/11/2017	0.88	
6/24/2017	0.87	
10/11/2017	1.1	
3/26/2018	0.91	
10/4/2018	0.92	
3/28/2019	0.97	
9/12/2019	0.94	
3/19/2020	1	
9/11/2020	0.97	
4/6/2021		0.97
8/13/2021		0.94

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
4/6/2016	9.27	
6/14/2016	8.2	
8/10/2016	6.9	
10/11/2016	7.6	
12/2/2016	7.4	
2/10/2017	11	
4/10/2017	9.7	
6/23/2017	9.2	
10/9/2017	9.4	
3/26/2018	9.3	
10/3/2018	7.8	
3/27/2019	9.5	
9/12/2019	8.8	
3/19/2020	11	
9/10/2020	8.2	
4/2/2021		9.2
8/12/2021		7.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
4/8/2016	8.6	
6/14/2016	6.8	
8/9/2016	6.2	
10/11/2016	6.2	
12/5/2016	5.5	
2/10/2017	7.8	
4/7/2017	7.3	
6/26/2017	6.8	
10/9/2017	5.8	
3/26/2018	8.7	
10/3/2018	6.1	
3/27/2019	7.1	
9/12/2019	6.1	
3/19/2020	9.7	
9/10/2020	5.9	
4/2/2021		9
8/12/2021		6



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
4/7/2016	38.4	
6/14/2016	32.9	
8/9/2016	29	
10/10/2016	33	
12/2/2016	33	
2/9/2017	42	
4/7/2017	35	
6/22/2017	38	
10/10/2017	40	
3/22/2018	39 (D)	
10/3/2018	41	
3/27/2019	39	
9/12/2019	36	
3/19/2020	45	
9/11/2020	30	
4/2/2021		29
8/12/2021		26

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
4/7/2016	6.57	
6/14/2016	5.5	
8/9/2016	4.6	
10/10/2016	5.3	
12/2/2016	5.1	
2/10/2017	5.8	
4/7/2017	5.2	
6/23/2017	5.7	
10/10/2017	5.8	
3/23/2018	6.6	
10/4/2018	5.4	
3/27/2019	6.1	
9/12/2019	5.7	
3/19/2020	6.7	
9/11/2020	5.5	
4/5/2021		7
8/12/2021		6.1

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
4/8/2016	10.7	
6/14/2016	11.3	
8/9/2016	9.6	
10/11/2016	11	
12/5/2016	10	
2/10/2017	11	
4/7/2017	10	
6/22/2017	11	
10/10/2017	11	
3/22/2018	11	
10/5/2018	11	
3/27/2019	11	
9/12/2019	12	
3/20/2020	12	
9/11/2020	11	
4/5/2021		13
8/13/2021		11

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
4/7/2016	12.6	
6/17/2016	12.4	
8/10/2016	11	
10/14/2016	13	
12/19/2016	11	
2/13/2017	13	
4/7/2017	12	
6/22/2017	13	
10/10/2017	13	
3/23/2018	13	
10/3/2018	12	
3/27/2019	13	
9/12/2019	13	
3/19/2020	14	
9/11/2020	12	
4/5/2021		13
8/12/2021		12

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
4/7/2016	15.3	
6/14/2016	14.2	
8/9/2016	13	
10/11/2016	14	
12/2/2016	13	
2/9/2017	14	
4/7/2017	14	
6/22/2017	14	
10/10/2017	15	
3/22/2018	14	
10/3/2018	14	
3/27/2019	15	
9/12/2019	14	
3/19/2020	15	
9/10/2020	14	
4/6/2021		16
8/12/2021		14

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
4/11/2016	9.7	
6/15/2016	9.5	
8/10/2016	8.5	
10/11/2016	9.3	
12/5/2016	9	
2/13/2017	9.2	
4/10/2017	9.2	
6/23/2017	9.8	
10/10/2017	10	
3/26/2018	11	
10/4/2018	10	
3/28/2019	11	
9/12/2019	12	
3/19/2020	16	
9/10/2020	15	
4/6/2021		17
8/13/2021		15

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
4/11/2016	7.04	
6/15/2016	7.4	
8/10/2016	6.7	
10/11/2016	6.9	
12/2/2016	6.5	
2/13/2017	7.9	
4/7/2017	6.5	
6/22/2017	6.8	
10/10/2017	7.3	
3/23/2018	7.5	
10/4/2018	6.7	
3/28/2019	7.2	
9/12/2019	7.5	
3/19/2020	7.9	
9/10/2020	7.5	
4/6/2021		7.7
8/13/2021		7.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
4/11/2016	6.9	
6/16/2016	7.6	
8/10/2016	5.7	
10/13/2016	6.7	
12/5/2016	6.4	
2/13/2017	6.2	
4/10/2017	6.2	
6/23/2017	6.6	
10/11/2017	6.9	
3/26/2018	7	
10/4/2018	6.4	
3/27/2019	7	
9/12/2019	7.1	
3/19/2020	7.1	
9/11/2020	7	
4/5/2021		8
8/13/2021		7



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
4/11/2016	12.8	
6/16/2016	14.3	
8/11/2016	11	
10/13/2016	13	
12/5/2016	12	
2/13/2017	13	
4/11/2017	13	
6/24/2017	13	
10/11/2017	15	
3/26/2018	15	
10/4/2018	14	
3/28/2019	15	
9/12/2019	17	
3/19/2020	19	
9/11/2020	18	
4/5/2021		21
8/17/2021		22

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
4/8/2016	17.5	
6/16/2016	18.4	
8/11/2016	13	
10/13/2016	15	
12/6/2016	15	
2/13/2017	16	
4/11/2017	17	
6/24/2017	17	
10/11/2017	19	
3/26/2018	19	
10/4/2018	17	
3/28/2019	18	
9/12/2019	18	
3/19/2020	19	
9/11/2020	19	
4/6/2021		19
8/13/2021		17

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
4/6/2016	3.034	
6/14/2016	3.1	
8/10/2016	2.7	
10/11/2016	2.7	
12/2/2016	2.5	
2/10/2017	3.4	
4/10/2017	3.6	
6/23/2017	3.2	
10/9/2017	3.5	
3/26/2018	3.8	
10/3/2018	4	
3/27/2019	2.9	
9/12/2019	3.4	
3/19/2020	3.9	
9/10/2020	3.7	
4/2/2021		3.7
8/12/2021		4.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
4/8/2016	2.1	
6/14/2016	4.2	
8/9/2016	5	
10/11/2016	3.8	
12/5/2016	3.6	
2/10/2017	2.2	
4/7/2017	2.2	
6/26/2017	3.4	
10/9/2017	3.4	
3/26/2018	1.9 (D)	
10/3/2018	2.9	
3/27/2019	2	
9/12/2019	2.5	
3/19/2020	2.2	
9/10/2020	2.5	
4/2/2021		1.8
8/12/2021		2.7

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
4/7/2016	8.05	
6/14/2016	9.3	
8/9/2016	10	
10/10/2016	10	
12/2/2016	10	
2/9/2017	9.4	
4/7/2017	9.9	
6/22/2017	9.7	
10/10/2017	9.8	
3/22/2018	9.7 (D)	
10/3/2018	10	
3/27/2019	9.6	
9/12/2019	10	
3/19/2020	9.9	
9/11/2020	12	
4/2/2021		13
8/12/2021		13

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
4/7/2016	2.914	
6/14/2016	3.1	
8/9/2016	3.2	
10/10/2016	3	
12/2/2016	3	
2/10/2017	2.7	
4/7/2017	2.9	
6/23/2017	3.3	
10/10/2017	3.5	
3/23/2018	3.6	
10/4/2018	3.9	
3/27/2019	3.7	
9/12/2019	4.3	
3/19/2020	4.5	
9/11/2020	4.7	
4/5/2021		5.3
8/12/2021		5.5

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
4/8/2016	1.57	
6/14/2016	1.7	
8/9/2016	1.5	
10/11/2016	1.6	
12/5/2016	1.5	
2/10/2017	1.5	
4/7/2017	1.4	
6/22/2017	1.4	
10/10/2017	1.4	
3/22/2018	1.3	
10/5/2018	1.4	
3/27/2019	1.2	
9/12/2019	1.4	
3/20/2020	1.7	
9/11/2020	1.6	
4/5/2021		1.8
8/13/2021		1.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
4/7/2016	1.842	
6/17/2016	1.9	
8/10/2016	1.8	
10/14/2016	1.7	
12/19/2016	2.7 (O)	
2/13/2017	1.8	
4/7/2017	1.7	
6/22/2017	1.7	
10/10/2017	1.6	
3/23/2018	1.6	
10/3/2018	1.6	
3/27/2019	1.5	
9/12/2019	1.7	
3/19/2020	1.9	
9/11/2020	1.8	
4/5/2021		2
8/12/2021		1.8



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
4/7/2016	2.285	
6/14/2016	2.3	
8/9/2016	2.3	
10/11/2016	2.1	
12/2/2016	2	
2/9/2017	2.1	
4/7/2017	2	
6/22/2017	2	
10/10/2017	2	
3/22/2018	1.9	
10/3/2018	2	
3/27/2019	1.9	
9/12/2019	1.9	
3/19/2020	2.2	
9/10/2020	2.1	
4/6/2021		2.1
8/12/2021		2.2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
4/11/2016	1.57 (O)	
6/15/2016	3.9	
8/10/2016	4	
10/11/2016	3.7	
12/5/2016	3.6	
2/13/2017	3.4	
4/10/2017	3.5	
6/23/2017	3.4	
10/10/2017	3.3	
3/26/2018	3.1	
10/4/2018	3.1	
3/28/2019	2.8	
9/12/2019	3	
3/19/2020	3.4	
9/10/2020	3.3	
4/6/2021		3.3
8/13/2021		3.7

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
4/11/2016	2.09	
6/15/2016	2.1	
8/10/2016	2	
10/11/2016	1.9	
12/2/2016	1.9	
2/13/2017	1.9	
4/7/2017	2	
6/22/2017	1.9	
10/10/2017	1.9	
3/23/2018	1.9	
10/4/2018	1.9	
3/28/2019	1.8	
9/12/2019	1.8	
3/19/2020	2.1	
9/10/2020	2.1	
4/6/2021		1.9
8/13/2021		2.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
4/11/2016	2.09 (O)	
6/16/2016	6.3	
8/10/2016	6.9	
10/13/2016	6.5	
12/5/2016	6.6	
2/13/2017	6.7	
4/10/2017	6.7	
6/23/2017	6.6	
10/11/2017	6.5	
3/26/2018	6.6	
10/4/2018	6.9	
3/27/2019	7	
9/12/2019	6.8	
3/19/2020	7.3	
9/11/2020	7.7	
4/5/2021		7.8
8/13/2021		8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
4/11/2016	<0.25 (O)	
6/16/2016	7.4	
8/11/2016	8.3	
10/13/2016	7.8	
12/5/2016	8.1	
2/13/2017	8	
4/11/2017	7.6	
6/24/2017	8.3	
10/11/2017	7.9	
3/26/2018	7.8	
10/4/2018	8.1	
3/28/2019	7.5	
9/12/2019	7.7	
3/19/2020	8.2	
9/11/2020	7.9	
4/5/2021		8.2
8/17/2021		8.3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
4/8/2016	10.065	
6/16/2016	9.4	
8/11/2016	10	
10/13/2016	9.9	
12/6/2016	10	
2/13/2017	10	
4/11/2017	10	
6/24/2017	10	
10/11/2017	10	
3/26/2018	11	
10/4/2018	12	
3/28/2019	12	
9/12/2019	11	
3/19/2020	13	
9/11/2020	12	
4/6/2021		13
8/13/2021		13

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
4/6/2016	0.035 (J)	
6/14/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/10/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.035 (J)	
9/12/2019	0.04 (J)	
3/19/2020	0.059 (J)	
9/10/2020	0.044 (J)	
4/2/2021		0.028 (J)
8/12/2021		0.04 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
4/8/2016	<0.082	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/10/2017	<0.082	
4/7/2017	<0.082	
6/26/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082 (D)	
10/3/2018	<0.082	
3/27/2019	0.036 (J)	
9/12/2019	0.043 (J)	
3/19/2020	0.054 (J)	
9/10/2020	0.034 (J)	
4/2/2021		0.032 (J)
8/12/2021		0.028 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
4/7/2016	0.035 (J)	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/10/2016	<0.1	
12/2/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1 (D)	
10/3/2018	<0.1	
3/27/2019	<0.1	
9/12/2019	0.026 (J)	
3/19/2020	0.041 (J)	
9/11/2020	<0.1	
4/2/2021		<0.1
8/12/2021		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
4/7/2016	0.024 (J)	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/10/2016	<0.1	
12/2/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/23/2017	<0.1	
10/10/2017	<0.1	
3/23/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	0.033 (J)	
9/12/2019	<0.1	
3/19/2020	<0.1	
9/11/2020	<0.1	
4/5/2021		0.039 (J)
8/12/2021		0.11

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
4/8/2016	<0.1	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/11/2016	<0.1	
12/5/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1	
10/5/2018	<0.1	
3/27/2019	0.041 (J)	
9/12/2019	0.041 (J)	
3/20/2020	<0.1	
9/11/2020	0.034 (J)	
4/5/2021		0.038 (J)
8/13/2021		0.09 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
4/7/2016	0.044 (J)	
6/17/2016	<0.082	
8/10/2016	<0.082	
10/14/2016	<0.082	
12/19/2016	0.1 (J)	
2/13/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/23/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.04 (J)	
9/12/2019	0.044 (J)	
3/19/2020	0.049 (J)	
9/11/2020	0.035 (J)	
4/5/2021		0.031 (J)
8/12/2021		0.052 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
4/7/2016	0.041 (J)	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/9/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.037 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.044 (J)	
9/10/2020	0.036 (J)	
4/6/2021		0.03 (J)
8/12/2021		0.058 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
4/11/2016	0.033 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/10/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019	0.033 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.042 (J)	
9/10/2020	0.04 (J)	
4/6/2021		0.031 (J)
8/13/2021		0.065 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
4/11/2016	0.027 (J)	
6/15/2016	<0.1	
8/10/2016	<0.1	
10/11/2016	<0.1	
12/2/2016	<0.1	
2/13/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/23/2018	<0.1	
10/4/2018	<0.1	
3/28/2019	0.042 (J)	
9/12/2019	0.028 (J)	
3/19/2020	0.039 (J)	
9/10/2020	<0.1	
4/6/2021		<0.1
8/13/2021		0.048 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
4/11/2016	0.027 (J)	
6/16/2016	<0.1	
8/10/2016	<0.1	
10/13/2016	<0.1	
12/5/2016	<0.1	
2/13/2017	<0.1	
4/10/2017	<0.1	
6/23/2017	<0.1	
10/11/2017	<0.1	
3/26/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	<0.1	
9/12/2019	0.028 (J)	
3/19/2020	0.037 (J)	
9/11/2020	0.049 (J)	
4/5/2021		<0.1
8/13/2021		0.043 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
4/11/2016	<0.082	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/13/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/11/2017	<0.082	
6/24/2017	<0.082	
10/11/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019	0.039 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.053 (J)	
9/11/2020	0.041 (J)	
4/5/2021		0.05 (J)
8/17/2021		0.094 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
4/8/2016	<0.1	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/13/2016	<0.1	
12/6/2016	<0.1	
2/13/2017	<0.1	
4/11/2017	<0.1	
6/24/2017	<0.1	
10/11/2017	<0.1	
3/26/2018	<0.1	
10/4/2018	<0.1	
3/28/2019	<0.1	
9/12/2019	<0.1	
3/19/2020	<0.1	
9/11/2020	<0.1	
4/6/2021		<0.1
8/13/2021		0.034 (J)

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
11/8/2014	5.89	
11/13/2015	5.65	
4/6/2016	5.9 (D)	
6/14/2016	5.75	
8/10/2016	5.75	
10/11/2016	5.8	
12/2/2016	5.78	
2/10/2017	5.83	
4/10/2017	5.74	
6/26/2017	5.83	
10/9/2017	5.61	
3/26/2018	5.76	
10/3/2018	5.78	
3/27/2019	5.97	
9/12/2019	5.83	
3/19/2020	5.81	
9/10/2020	5.83	
4/2/2021		6.06
8/12/2021		5.88

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
11/8/2014	5.92	
5/21/2015	5.97	
11/13/2015	5.8	
4/8/2016	6.12	
6/14/2016	5.84	
8/9/2016	5.75	
10/11/2016	5.84	
12/5/2016	5.7	
2/10/2017	6.17	
4/7/2017	5.99	
6/26/2017	5.87	
10/9/2017	5.52	
3/26/2018	6.06	
10/3/2018	5.83	
3/27/2019	6.04	
9/12/2019	5.87	
3/19/2020	6.14	
9/10/2020	5.78	
4/2/2021		6.03
8/12/2021		5.91

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
11/7/2014	6.26	
11/13/2015	6.02	
4/7/2016	6.48	
6/14/2016	6.05	
8/9/2016	6.05	
10/10/2016	6.02	
12/2/2016	5.95	
2/9/2017	6.24	
4/7/2017	5.95	
6/22/2017	6.02	
10/10/2017	6	
3/22/2018	6.2	
10/3/2018	6.03	
3/27/2019	6.31	
9/13/2019	5.96	
3/19/2020	6.46	
9/11/2020	5.98	
4/2/2021		5.92
8/12/2021		5.92

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
11/7/2014	5.92	
11/13/2015	5.78	
4/7/2016	6.83	
6/14/2016	5.82	
8/1/2016	5.78	
10/10/2016	5.78	
12/2/2016	5.71	
2/10/2017	5.79	
4/7/2017	5.93	
6/23/2017	5.77	
10/10/2017	5.81	
3/23/2018	5.89	
10/4/2018	5.86	
3/27/2019	5.95	
9/12/2019	5.83	
3/19/2020	5.93	
9/11/2020	6.02	
4/5/2021		5.92
6/1/2021		5.8
8/12/2021		5.71

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
11/7/2014	6.54	
11/12/2015	6.43	
4/7/2016	6.45 (D)	
4/8/2016	6.45	
6/14/2016	6.4	
8/9/2016	6.43	
10/11/2016	6.34	
12/5/2016	6.46	
2/10/2017	6.33	
4/7/2017	6.38	
6/22/2017	6.45	
10/10/2017	6.44	
3/22/2018	6.46	
10/5/2018	6.47	
3/27/2019	6.52	
9/12/2019	6.49	
3/19/2020	6.39	
3/20/2020	6.39	
9/11/2020	6.59	
4/5/2021		6.59
6/1/2021		6.46
8/13/2021		6.33

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
11/7/2014	6.91	
11/12/2015	6.81	
4/7/2016	6.74	
6/17/2016	6.78	
8/10/2016	6.73	
10/14/2016	6.7	
12/5/2016	6.71	
2/13/2017	6.56	
4/7/2017	6.62	
6/22/2017	6.76	
10/10/2017	6.7	
3/23/2018	6.92	
10/3/2018	6.81	
3/27/2019	6.86	
9/12/2019	6.78	
3/19/2020	6.73	
9/11/2020	6.76	
4/5/2021		6.78
6/1/2021		6.78
8/12/2021		6.86



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
11/7/2014	6.99	
11/12/2015	7	
4/7/2016	6.85	
6/14/2016	6.83	
8/9/2016	6.77	
10/11/2016	6.83	
12/2/2016	6.79	
2/9/2017	6.65	
4/7/2017	6.75	
6/22/2017	6.85	
10/10/2017	6.84	
3/22/2018	7	
10/3/2018	6.93	
3/27/2019	6.91	
9/12/2019	6.82	
3/19/2020	6.87	
9/10/2020	6.91	
4/6/2021		6.87
8/12/2021		6.86

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
5/22/2015	5.8	
11/13/2015	5.87	
4/11/2016	5.84	
6/15/2016	5.82	
8/10/2016	5.82	
10/11/2016	5.78	
12/5/2016	5.72	
2/13/2017	5.81	
4/10/2017	5.75	
6/23/2017	5.78	
10/10/2017	5.82	
3/26/2018	5.91	
10/4/2018	5.83	
3/28/2019	5.95	
9/12/2019	5.98	
3/19/2020	5.97	
9/10/2020	6.09	
4/6/2021		6.3
8/13/2021		6.18

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
11/8/2014	5.94	
5/22/2015	5.79	
11/13/2015	5.92	
4/11/2016	5.82	
6/15/2016	5.85	
8/10/2016	5.85	
10/11/2016	5.76	
12/2/2016	5.76	
2/13/2017	5.8	
4/7/2017	5.75	
6/22/2017	5.83	
10/10/2017	5.76	
3/23/2018	5.98	
10/4/2018	5.85	
3/28/2019	5.71	
9/13/2019	5.78	
3/19/2020	5.78	
9/10/2020	5.78	
4/6/2021		5.76
8/13/2021		5.86

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
11/7/2014	5.95	
5/22/2015	5.84	
5/25/2015	8.36 (o)	
11/13/2015	5.82	
4/11/2016	5.88	
6/16/2016	5.85	
8/10/2016	5.83	
10/13/2016	5.84	
12/5/2016	5.81	
2/13/2017	5.76	
4/10/2017	5.78	
6/23/2017	5.82	
10/11/2017	5.83	
3/26/2018	5.98	
10/4/2018	5.85	
3/27/2019	5.94	
9/12/2019	5.86	
3/19/2020	5.9	
9/11/2020	5.84	
4/5/2021		5.99
6/2/2021		5.87
8/13/2021		5.92

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
11/7/2014	6.75	
5/22/2015	6.65	
5/25/2015	7.63 (o)	
11/13/2015	6.77	
4/11/2016	6.64	
6/16/2016	6.6	
8/11/2016	6.61	
10/13/2016	6.64	
12/5/2016	6.63	
2/13/2017	6.59	
4/11/2017	6.53	
6/26/2017	6.6	
10/11/2017	6.61	
3/26/2018	6.77	
10/4/2018	6.67	
3/28/2019	6.71	
9/12/2019	6.68	
3/19/2020	6.64	
9/11/2020	6.64	
4/5/2021		6.68
6/2/2021		6.6
8/17/2021		6.63

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
11/7/2014	5.67	
5/25/2015	7.725 (oD)	
11/13/2015	5.52	
4/8/2016	5.63	
6/16/2016	5.56	
8/11/2016	5.56	
10/13/2016	5.61	
12/6/2016	5.48	
2/13/2017	5.57	
4/11/2017	5.52	
6/26/2017	5.56	
10/11/2017	5.51	
3/26/2018	5.78	
10/4/2018	5.56	
3/28/2019	5.67	
9/13/2019	5.55	
3/19/2020	5.65	
9/11/2020	5.69	
4/6/2021		5.67
8/13/2021		5.47

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
4/6/2016	0.813 (J)	
6/14/2016	<1.1	
8/10/2016	0.9 (J)	
10/11/2016	0.99 (J)	
12/2/2016	0.99 (J)	
2/10/2017	1.4	
4/10/2017	1.6	
6/23/2017	1.8	
10/9/2017	2.5	
3/26/2018	2.3	
10/3/2018	1.9	
3/27/2019	0.81 (J)	
9/12/2019	1.3	
3/19/2020	0.92 (J)	
9/10/2020	1.3	
4/2/2021		0.99 (J)
8/12/2021		1.8

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
4/8/2016	<1	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/5/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/26/2017	<1	
10/9/2017	<1	
3/26/2018	<1 (D)	
10/3/2018	<1	
3/27/2019	<1	
9/12/2019	0.38 (J)	
3/19/2020	<1	
9/10/2020	<1	
4/2/2021		<1
8/12/2021		<1



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
4/7/2016	107.095	
6/14/2016	160	
8/9/2016	130	
10/10/2016	140	
12/2/2016	150	
2/9/2017	150	
4/7/2017	140	
6/22/2017	160	
10/10/2017	160	
3/22/2018	150 (D)	
10/3/2018	140	
3/27/2019	140	
9/12/2019	170	
3/19/2020	150	
9/11/2020	170	
4/2/2021		180
8/12/2021		180

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
4/7/2016	0.594 (J)	
6/14/2016	<1	
8/9/2016	<1	
10/10/2016	<1	
12/2/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/23/2017	<1	
10/10/2017	<1	
3/23/2018	<1	
10/4/2018	<1	
3/27/2019	0.52 (J)	
9/12/2019	0.61 (J)	
3/19/2020	0.39 (J)	
9/11/2020	0.99 (J)	
4/5/2021		<1
8/12/2021		1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
4/8/2016	<1	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/5/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/22/2018	<1	
10/5/2018	<1	
3/27/2019	<1	
9/12/2019	0.4 (J)	
3/20/2020	0.58 (J)	
9/11/2020	0.39 (J)	
4/5/2021		<1
8/13/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
4/7/2016	1.522	
6/17/2016	1.1	
8/10/2016	1.1	
10/14/2016	0.89 (J)	
12/19/2016	1.2	
2/13/2017	1.4	
4/7/2017	1.2	
6/22/2017	1.1	
10/10/2017	0.92 (J)	
3/23/2018	1.3	
10/3/2018	1.2	
3/27/2019	1.6	
9/12/2019	1.2	
3/19/2020	1.5	
9/11/2020	1.3	
4/5/2021		1.3
8/12/2021		1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
4/7/2016	0.507 (J)	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/2/2016	<1	
2/9/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/22/2018	<1	
10/3/2018	<1	
3/27/2019	0.56 (J)	
9/12/2019	0.77 (J)	
3/19/2020	0.56 (J)	
9/10/2020	0.42 (J)	
4/6/2021		<1
8/12/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
4/11/2016	2.15	
6/15/2016	<2.5	
8/10/2016	2.5	
10/11/2016	2.7	
12/5/2016	2.6	
2/13/2017	2.4	
4/10/2017	2.3	
6/23/2017	2.5	
10/10/2017	2.5	
3/26/2018	2.4	
10/4/2018	2.8	
3/28/2019	3.2	
9/12/2019	3.2	
3/19/2020	3.2	
9/10/2020	2.7	
4/6/2021		2.5
8/13/2021		2.7

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
4/11/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/11/2016	<1	
12/2/2016	<1	
2/13/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/23/2018	<1	
10/4/2018	<1	
3/28/2019	0.38 (J)	
9/12/2019	<1	
3/19/2020	<1	
9/10/2020	<1	
4/6/2021		<1
8/13/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
4/11/2016	0.415 (J)	
6/16/2016	<0.7	
8/10/2016	<0.7	
10/13/2016	<0.7	
12/5/2016	<0.7	
2/13/2017	<0.7	
4/10/2017	<0.7	
6/23/2017	<0.7	
10/11/2017	<0.7	
3/26/2018	<0.7	
10/4/2018	<0.7	
3/27/2019	2.7	
9/12/2019	0.65 (J)	
3/19/2020	0.71 (J)	
9/11/2020	2.6	
4/5/2021		1.7
8/13/2021		1.4



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
4/11/2016	<1	
6/16/2016	10	
8/11/2016	9.8	
10/13/2016	11	
12/5/2016	13	
2/13/2017	14	
4/11/2017	12	
6/24/2017	12	
10/11/2017	13	
3/26/2018	20	
10/4/2018	23	
3/28/2019		29
9/12/2019		34
3/19/2020		40
9/11/2020		39
4/5/2021		57
8/17/2021		54

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
4/8/2016	135.355	
6/16/2016	140	
8/11/2016	130	
10/13/2016	140	
12/6/2016	150	
2/13/2017	160	
4/11/2017	130	
6/24/2017	160	
10/11/2017	160	
3/26/2018	160	
10/4/2018	170	
3/28/2019	170	
9/12/2019	170	
3/19/2020	170	
9/11/2020	160	
4/6/2021		160
8/13/2021		170

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-21	GWA-21
4/6/2016	51	
6/14/2016	62	
8/10/2016	70	
10/11/2016	84	
12/2/2016	74	
2/10/2017	100	
4/10/2017	82	
6/23/2017	72	
10/9/2017	82	
3/26/2018	94	
10/3/2018	72	
3/27/2019	98	
9/12/2019	130	
3/19/2020	100	
9/10/2020	110	
4/2/2021		100
8/12/2021		98

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-22	GWA-22
4/8/2016	74	
6/14/2016	111	
8/9/2016	44	
10/11/2016	64	
12/5/2016	52	
2/10/2017	86	
4/7/2017	68	
6/26/2017	76	
10/9/2017	50	
3/26/2018	56	
10/3/2018	42	
3/27/2019	76	
9/12/2019	72	
3/19/2020	65	
9/10/2020	56	
4/2/2021		69
8/12/2021		68

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-45	GWA-45
4/7/2016	237	
6/14/2016	240	
8/9/2016	230	
10/10/2016	240	
12/2/2016	270	
2/9/2017	240	
4/7/2017	260	
6/22/2017	300	
10/10/2017	280	
3/22/2018	310	
10/3/2018	190	
3/27/2019	290	
9/12/2019	340	
3/19/2020	310	
9/11/2020	340	
4/2/2021		360
8/12/2021		330

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-46	GWA-46
4/7/2016	69	
6/14/2016	<25	
8/9/2016	40	
10/10/2016	34	
12/2/2016	50	
2/10/2017	60	
4/7/2017	70	
6/23/2017	42	
10/10/2017	34	
3/23/2018	52	
10/4/2018	48	
3/27/2019	66	
9/12/2019	97	
3/19/2020	51	
9/11/2020	51	
4/5/2021		46
8/12/2021		55

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-47	GWA-47
4/8/2016	89	
6/14/2016	55	
8/9/2016	90	
10/11/2016	86	
12/5/2016	74	
2/10/2017	100	
4/7/2017	92	
6/22/2017	64	
10/10/2017	68	
3/22/2018	92	
10/5/2018	90	
3/27/2019	94	
9/12/2019	88	
3/20/2020	99	
9/11/2020	110	
4/5/2021		63
8/13/2021		110

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-48	GWA-48
4/7/2016	100	
6/17/2016	69	
8/10/2016	110	
10/14/2016	100	
12/19/2016	100	
2/13/2017	80	
4/7/2017	86	
6/22/2017	72	
10/10/2017	70	
3/23/2018	86	
10/3/2018	88	
3/27/2019	100	
9/12/2019	110	
3/19/2020	97	
9/11/2020	120	
4/5/2021		99
8/12/2021		100



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWA-49	GWA-49
4/7/2016	114	
6/14/2016	56 (O)	
8/9/2016	100	
10/11/2016	110	
12/2/2016	94	
2/9/2017	100	
4/7/2017	100	
6/22/2017	110	
10/10/2017	100	
3/22/2018	100	
10/3/2018	96	
3/27/2019	120	
9/12/2019	120	
3/19/2020	110	
9/10/2020	130	
4/6/2021		110
8/12/2021		120

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-29	GWC-29
4/11/2016	88	
6/15/2016	114	
8/10/2016	82	
10/11/2016	92	
12/5/2016	86	
2/13/2017	62	
4/10/2017	60	
6/23/2017	74	
10/10/2017	86	
3/26/2018	58 (J)	
10/4/2018	130	
3/28/2019	88	
9/12/2019	110	
3/19/2020	110	
9/10/2020	120	
4/6/2021		110
8/13/2021		120

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-50	GWC-50
4/11/2016	79	
6/15/2016	79	
8/10/2016	72	
10/11/2016	76	
12/2/2016	60	
2/13/2017	58	
4/7/2017	68	
6/22/2017	16	
10/10/2017	44	
3/23/2018	96	
10/4/2018	110	
3/28/2019	65	
9/12/2019	89	
3/19/2020	64	
9/10/2020	82	
4/6/2021		49
8/13/2021		72

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-51	GWC-51
4/11/2016	88	
6/16/2016	74	
8/10/2016	66	
10/13/2016	72	
12/5/2016	70	
2/13/2017	12 (O)	
4/10/2017	80	
6/23/2017	66	
10/11/2017	56	
3/26/2018	72	
10/4/2018	96	
3/27/2019	76	
9/12/2019	110	
3/19/2020	66	
9/11/2020	87	
4/5/2021		66
8/13/2021		92

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-52	GWC-52
4/11/2016	103	
6/16/2016	117	
8/11/2016	94	
10/13/2016	110	
12/5/2016	130	
2/13/2017	92	
4/11/2017	120	
6/24/2017	120	
10/11/2017	120	
3/26/2018	98	
10/4/2018	190	
3/28/2019	140	
9/12/2019	160	
3/19/2020	160	
9/11/2020	170	
4/5/2021		170
8/17/2021		180

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/19/2021 8:40 AM View: PLs Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

---

	GWC-53	GWC-53
4/8/2016	237	
6/16/2016	231	
8/11/2016	190	
10/13/2016	230	
12/6/2016	260	
2/13/2017	230	
4/11/2017	210	
6/24/2017	250	
10/11/2017	280	
3/26/2018	240	
10/4/2018	320	
3/28/2019	280	
9/12/2019	300	
3/19/2020	270	
9/11/2020	290	
4/6/2021		250
8/13/2021		290

FIGURE H.

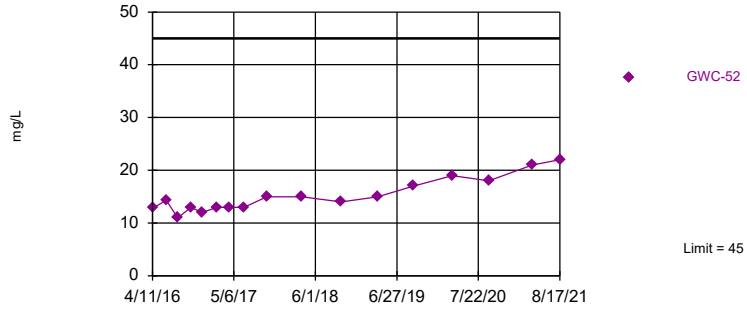
# Interwell Appendix III Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/19/2021, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.	NBg.	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-52	45	n/a	8/17/2021	22	No	119	n/a	n/a	0	n/a	n/a	0.000138	NP (normality)	1 of 2
Chloride (mg/L)	GWC-51	13	n/a	8/13/2021	8	No	118	n/a	n/a	0	n/a	n/a	0.0001409	NP (normality)	1 of 2
pH (S.U.)	GWC-29	7	5.52	8/13/2021	6.18	No	139	n/a	n/a	0	n/a	n/a	0.0002029	NP (normality)	1 of 2
Sulfate (mg/L)	GWC-52	180	n/a	8/17/2021	54	No	119	n/a	n/a	45.38	n/a	n/a	0.000138	NP (normality)	1 of 2



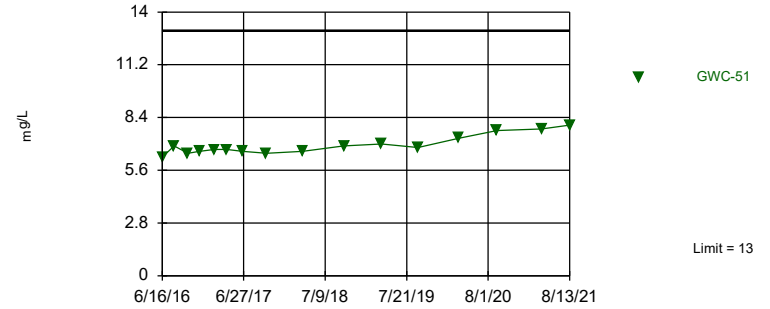
Within Limit  
 Prediction Limit  
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 119 background values. Annual per-constituent alpha = 0.001379. Individual comparison alpha = 0.000138 (1 of 2). Assumes 4 future values.

Constituent: Calcium Analysis Run 9/19/2021 8:56 AM View: Interwell PL App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

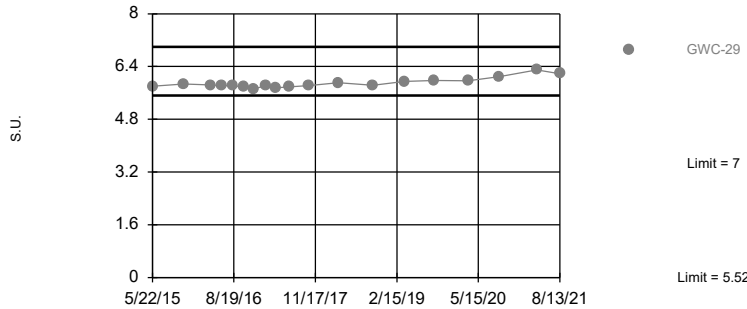
Within Limit  
 Prediction Limit  
 Interwell Non-parametric



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 118 background values. Annual per-constituent alpha = 0.001408. Individual comparison alpha = 0.0001409 (1 of 2). Assumes 4 future values.

Constituent: Chloride Analysis Run 9/19/2021 8:56 AM View: Interwell PL App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

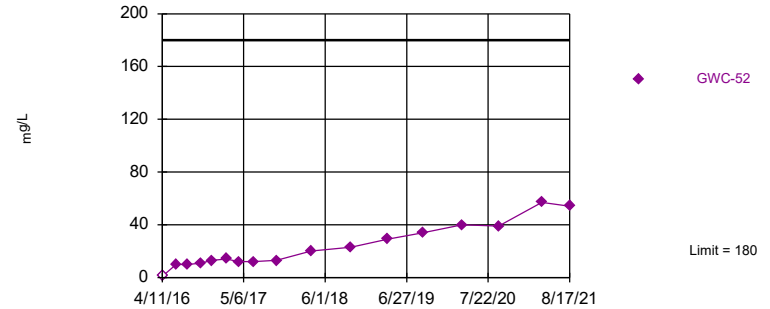
Within Limits  
 Prediction Limit  
 Interwell Non-parametric



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 139 background values. Annual per-constituent alpha = 0.002028. Individual comparison alpha = 0.0002029 (1 of 2). Assumes 4 future values.

Constituent: pH Analysis Run 9/19/2021 8:56 AM View: Interwell PL App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Within Limit  
 Prediction Limit  
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 119 background values. 45.38% NDs. Annual per-constituent alpha = 0.001379. Individual comparison alpha = 0.000138 (1 of 2). Assumes 4 future values.

Constituent: Sulfate Analysis Run 9/19/2021 8:56 AM View: Interwell PL App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/19/2021 8:57 AM View: Interwell PL App III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-21 (bg)	GWA-46 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWA-45 (bg)	GWA-47 (bg)	GWA-22 (bg)	GWC-51
4/6/2016	3.034							
4/7/2016		2.914	1.842	2.285	8.05			
4/8/2016						1.57	2.1	
4/11/2016								2.09 (O)
6/14/2016	3.1	3.1		2.3	9.3	1.7	4.2	
6/16/2016								6.3
6/17/2016			1.9					
8/9/2016		3.2		2.3	10	1.5	5	
8/10/2016	2.7		1.8					6.9
10/10/2016		3			10			
10/11/2016	2.7			2.1		1.6	3.8	
10/13/2016								6.5
10/14/2016			1.7					
12/2/2016	2.5	3		2	10			
12/5/2016						1.5	3.6	6.6
12/19/2016			2.7 (O)					
2/9/2017				2.1	9.4			
2/10/2017	3.4	2.7				1.5	2.2	
2/13/2017			1.8					6.7
4/7/2017		2.9	1.7	2	9.9	1.4	2.2	
4/10/2017	3.6							6.7
6/22/2017			1.7	2	9.7	1.4		
6/23/2017	3.2	3.3						6.6
6/26/2017							3.4	
10/9/2017	3.5						3.4	
10/10/2017		3.5	1.6	2	9.8	1.4		
10/11/2017								6.5
3/22/2018				1.9	9.7 (D)	1.3		
3/23/2018		3.6	1.6					
3/26/2018	3.8						1.9 (D)	6.6
10/3/2018	4		1.6	2	10		2.9	
10/4/2018		3.9						6.9
10/5/2018						1.4		
3/27/2019	2.9	3.7	1.5	1.9	9.6	1.2	2	7
9/12/2019	3.4	4.3	1.7	1.9	10	1.4	2.5	6.8
3/19/2020	3.9	4.5	1.9	2.2	9.9		2.2	7.3
3/20/2020						1.7		
9/10/2020	3.7			2.1			2.5	
9/11/2020		4.7	1.8		12	1.6		7.7
4/2/2021	3.7				13		1.8	
4/5/2021		5.3	2			1.8		7.8
4/6/2021				2.1				
8/12/2021	4.1	5.5	1.8	2.2	13		2.7	
8/13/2021						1.8		8

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/19/2021 8:57 AM View: Interwell PL App III

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

	GWA-47 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-22 (bg)	GWA-21 (bg)	GWC-29
11/7/2014	6.54	6.99	6.91	5.92	6.26			
11/8/2014						5.92	5.89	
5/21/2015						5.97		
5/22/2015								5.8
11/12/2015	6.43	7	6.81					
11/13/2015				5.78	6.02	5.8	5.65	5.87
4/6/2016							5.9 (D)	
4/7/2016	6.45 (D)	6.85	6.74	6.83	6.48			
4/8/2016	6.45					6.12		
4/11/2016								5.84
6/14/2016	6.4	6.83		5.82	6.05	5.84	5.75	
6/15/2016								5.82
6/17/2016			6.78					
8/1/2016				5.78				
8/9/2016	6.43	6.77			6.05	5.75		
8/10/2016			6.73				5.75	5.82
10/10/2016				5.78	6.02			
10/11/2016	6.34	6.83				5.84	5.8	5.78
10/14/2016			6.7					
12/2/2016		6.79		5.71	5.95		5.78	
12/5/2016	6.46		6.71			5.7		5.72
2/9/2017		6.65			6.24			
2/10/2017	6.33			5.79		6.17	5.83	
2/13/2017			6.56					5.81
4/7/2017	6.38	6.75	6.62	5.93	5.95	5.99		
4/10/2017							5.74	5.75
6/22/2017	6.45	6.85	6.76		6.02			
6/23/2017				5.77				5.78
6/26/2017						5.87	5.83	
10/9/2017						5.52	5.61	
10/10/2017	6.44	6.84	6.7	5.81	6			5.82
3/22/2018	6.46	7			6.2			
3/23/2018			6.92	5.89				
3/26/2018						6.06	5.76	5.91
10/3/2018		6.93	6.81		6.03	5.83	5.78	
10/4/2018				5.86				5.83
10/5/2018	6.47							
3/27/2019	6.52	6.91	6.86	5.95	6.31	6.04	5.97	
3/28/2019								5.95
9/12/2019	6.49	6.82	6.78	5.83		5.87	5.83	5.98
9/13/2019					5.96			
3/19/2020	6.39	6.87	6.73	5.93	6.46	6.14	5.81	5.97
3/20/2020	6.39							
9/10/2020		6.91				5.78	5.83	6.09
9/11/2020	6.59		6.76	6.02	5.98			
4/2/2021					5.92	6.03	6.06	
4/5/2021	6.59		6.78	5.92				
4/6/2021		6.87						6.3
6/1/2021	6.46		6.78	5.8				
8/12/2021		6.86	6.86	5.71	5.92	5.91	5.88	
8/13/2021	6.33							6.18



FIGURE I.

# Trend Test Summary Table - Significant Results (Appendix III)

Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:22 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWC-52	1.648	101	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-21 (bg)	0.2105	73	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-46 (bg)	0.4473	105	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-51	0.2581	78	58	Yes	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.05462	87	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-45 (bg)	6.917	67	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-52	8.55	118	63	Yes	17	5.882	n/a	n/a	0.01	NP

# Trend Test Summary Table - All Results (Appendix III)

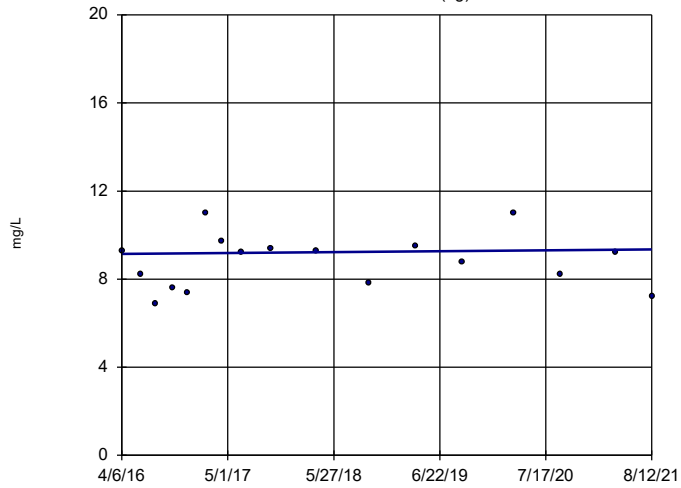
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR Printed 9/21/2021, 9:22 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-21 (bg)	0.03757	5	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-22 (bg)	-0.03328	-5	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-45 (bg)	0	1	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-46 (bg)	0.2062	50	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-47 (bg)	0.2061	52	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-48 (bg)	0	23	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-49 (bg)	0	20	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-52</b>	<b>1.648</b>	<b>101</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>0.2105</b>	<b>73</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWA-22 (bg)	-0.321	-49	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-45 (bg)	0.3711	59	63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4473</b>	<b>105</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	GWA-47 (bg)	0	-2	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-48 (bg)	0	-10	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-49 (bg)	-0.02713	-31	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>GWC-51</b>	<b>0.2581</b>	<b>78</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (S.U.)	GWA-21 (bg)	0.02054	47	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01012	12	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.02066	-49	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.004223	18	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.005456	29	92	No	22	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	0.005681	19	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.004	12	74	No	19	0	n/a	n/a	0.01	NP
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>0.05462</b>	<b>87</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-21 (bg)	0.08898	29	63	No	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-22 (bg)	0	-8	-63	No	17	94.12	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>6.917</b>	<b>67</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-46 (bg)	0	-18	-63	No	17	64.71	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-47 (bg)	0	-31	-63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-48 (bg)	0.02415	18	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-49 (bg)	0	-21	-63	No	17	70.59	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-52</b>	<b>8.55</b>	<b>118</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>5.882</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>



### Sen's Slope Estimator

GWA-21 (bg)

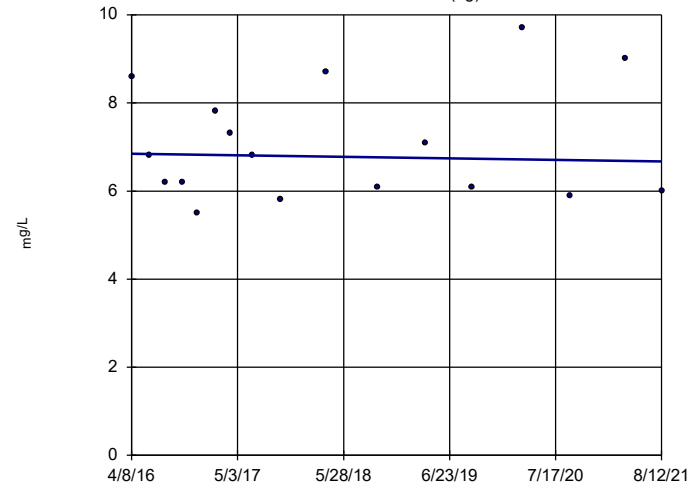


n = 17  
 Slope = 0.03757  
 units per year.  
 Mann-Kendall  
 statistic = 5  
 critical = 63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-22 (bg)

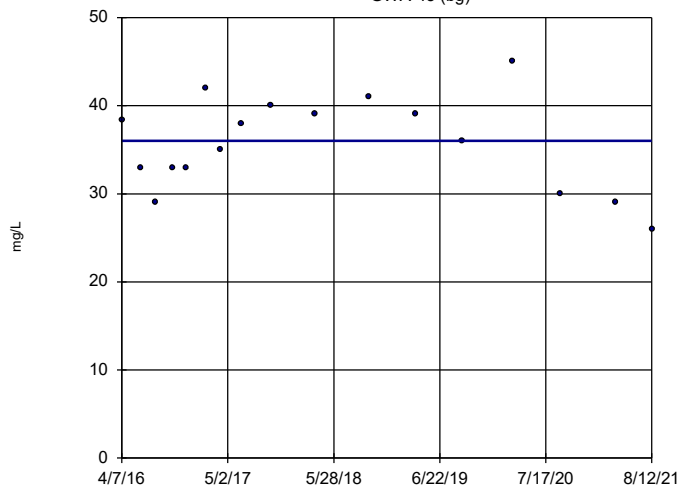


n = 17  
 Slope = -0.03328  
 units per year.  
 Mann-Kendall  
 statistic = -5  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-45 (bg)

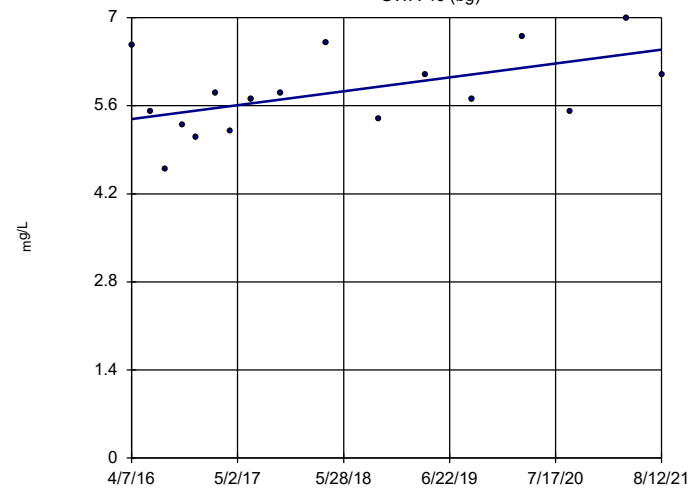


n = 17  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 1  
 critical = 63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-46 (bg)

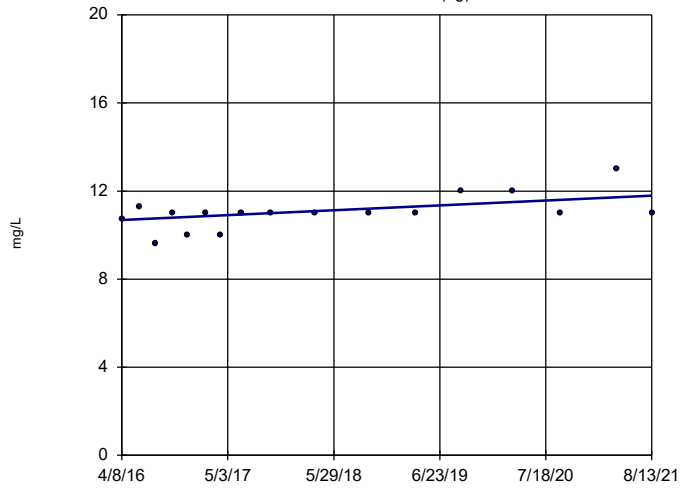


n = 17  
 Slope = 0.2062  
 units per year.  
 Mann-Kendall  
 statistic = 50  
 critical = 63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-47 (bg)

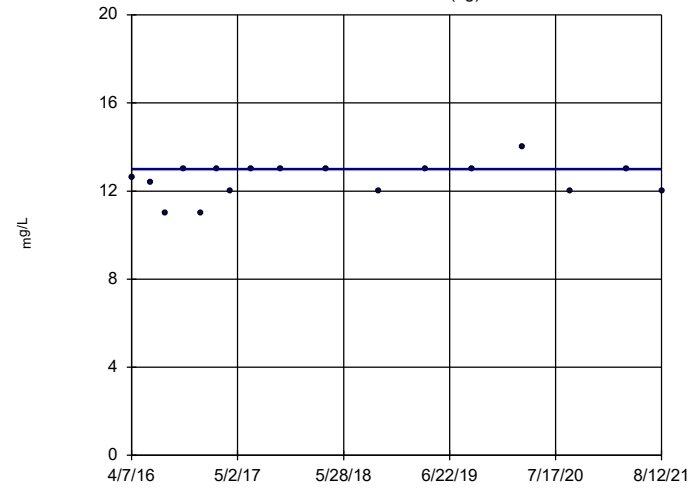


n = 17  
 Slope = 0.2061 units per year.  
 Mann-Kendall statistic = 52  
 critical = 63  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-48 (bg)

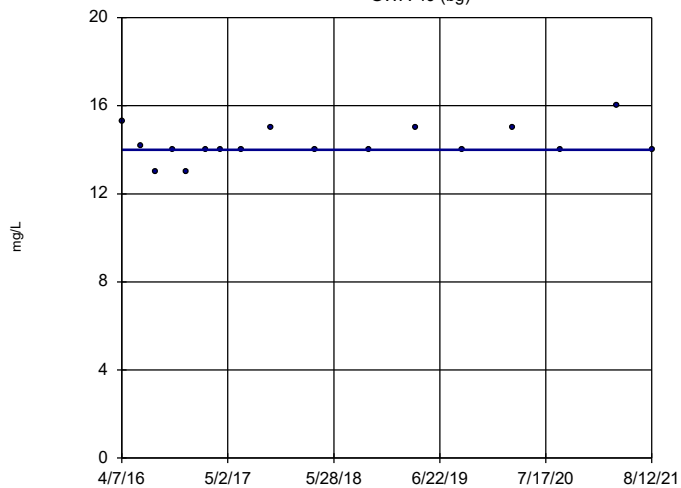


n = 17  
 Slope = 0 units per year.  
 Mann-Kendall statistic = 23  
 critical = 63  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-49 (bg)

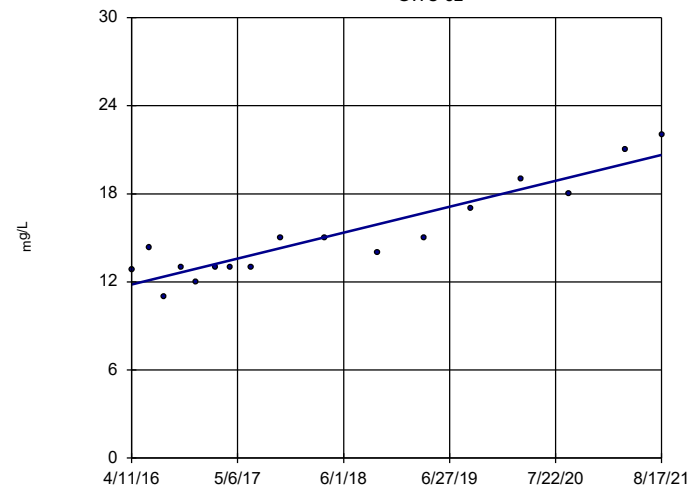


n = 17  
 Slope = 0 units per year.  
 Mann-Kendall statistic = 20  
 critical = 63  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWC-52

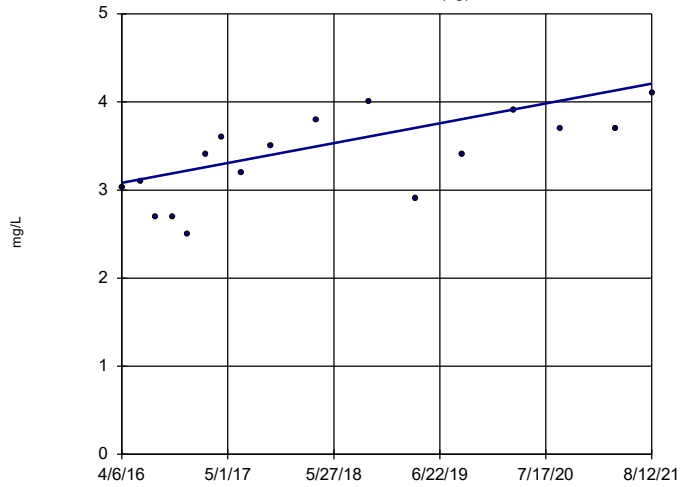


n = 17  
 Slope = 1.648 units per year.  
 Mann-Kendall statistic = 101  
 critical = 63  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-21 (bg)

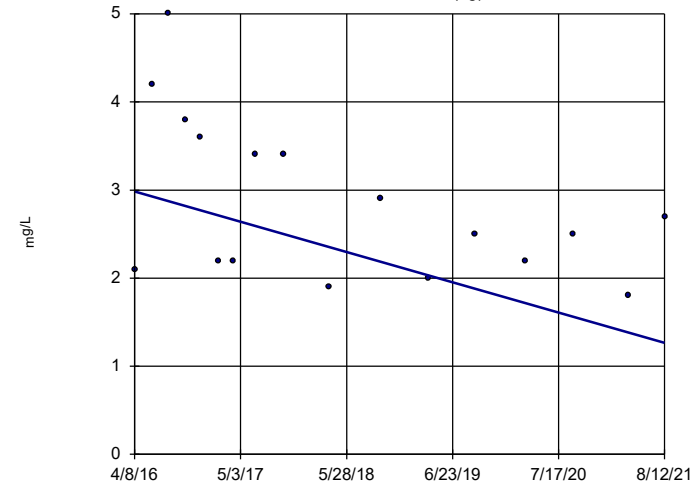


n = 17  
 Slope = 0.2105  
 units per year.  
 Mann-Kendall  
 statistic = 73  
 critical = 63  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-22 (bg)

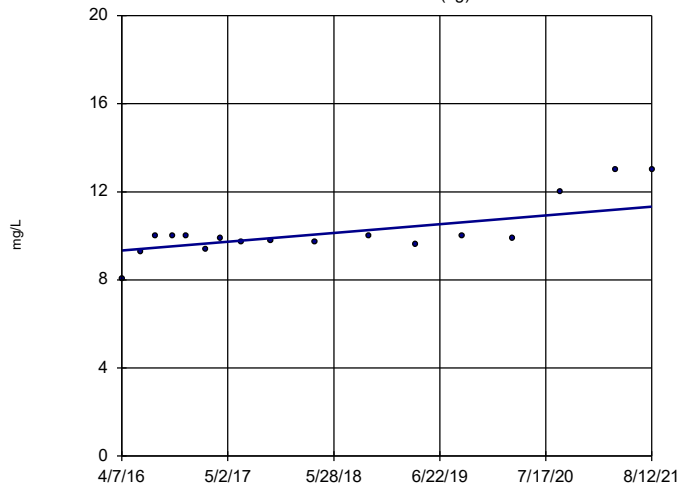


n = 17  
 Slope = -0.321  
 units per year.  
 Mann-Kendall  
 statistic = -49  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-45 (bg)

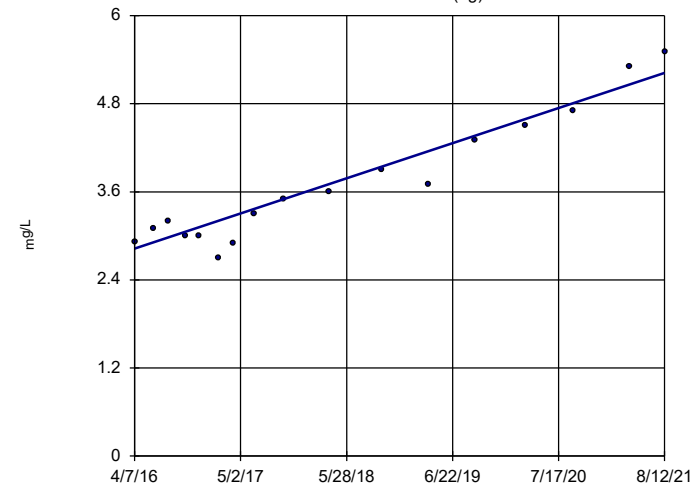


n = 17  
 Slope = 0.3711  
 units per year.  
 Mann-Kendall  
 statistic = 59  
 critical = 63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-46 (bg)

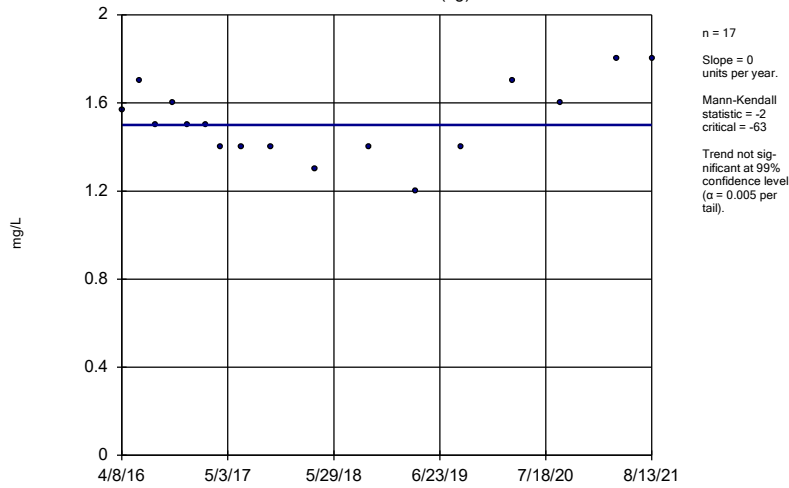


n = 17  
 Slope = 0.4473  
 units per year.  
 Mann-Kendall  
 statistic = 105  
 critical = 63  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

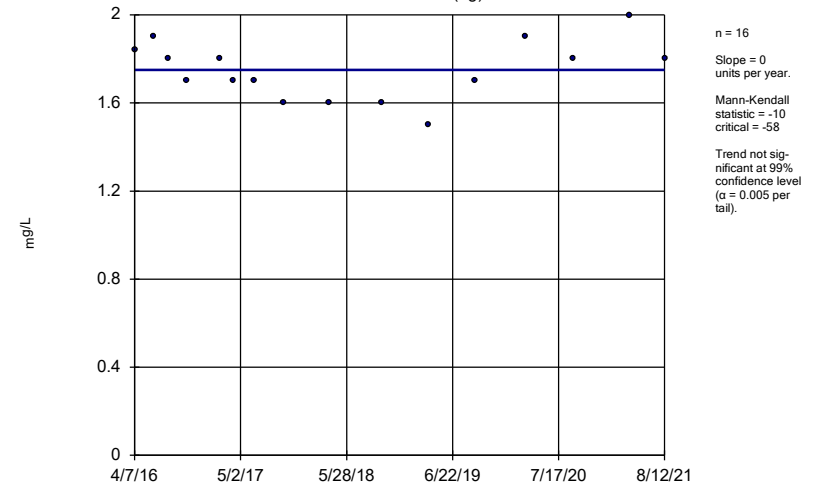
GWA-47 (bg)



Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

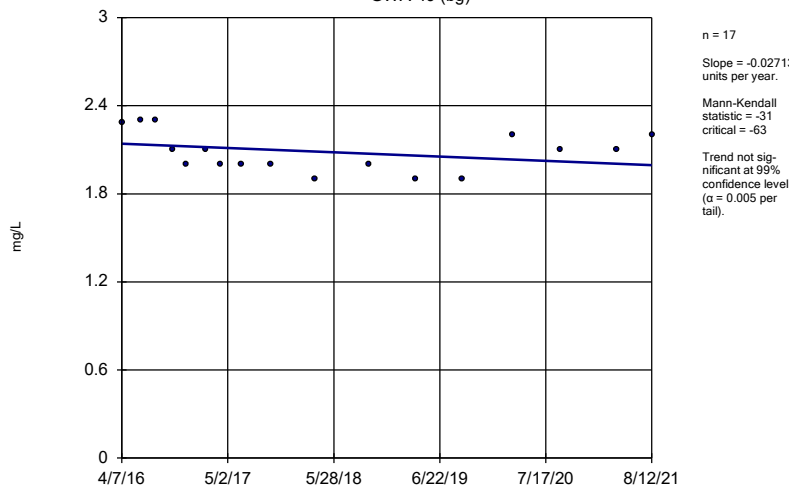
GWA-48 (bg)



Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

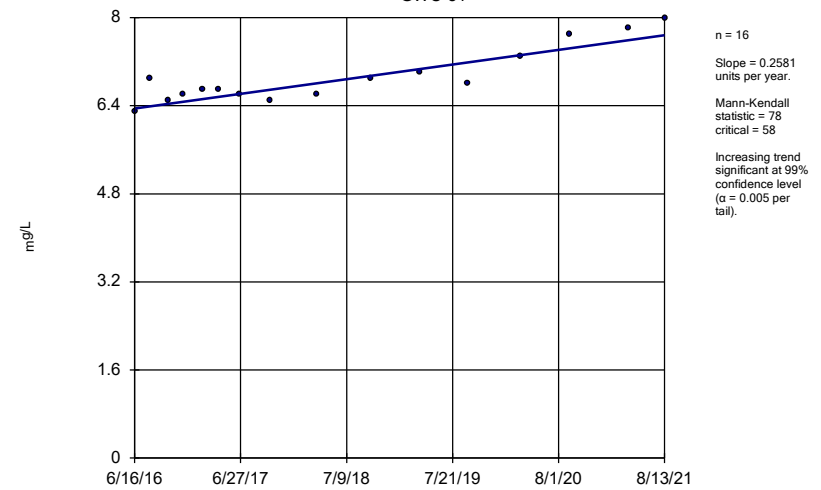
GWA-49 (bg)



Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

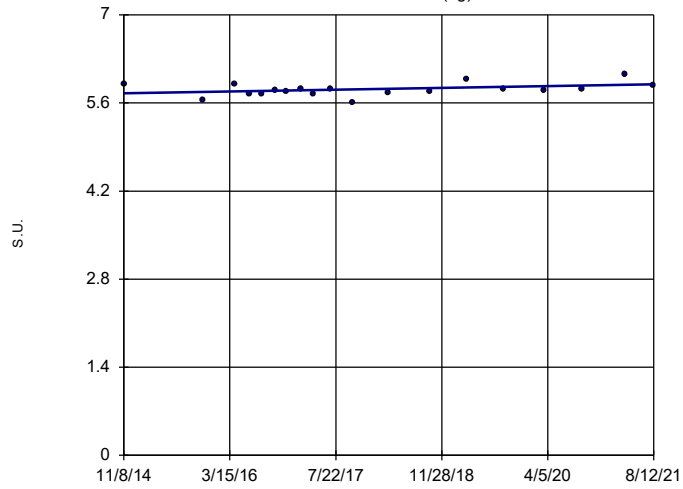
GWC-51



Constituent: Chloride Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-21 (bg)

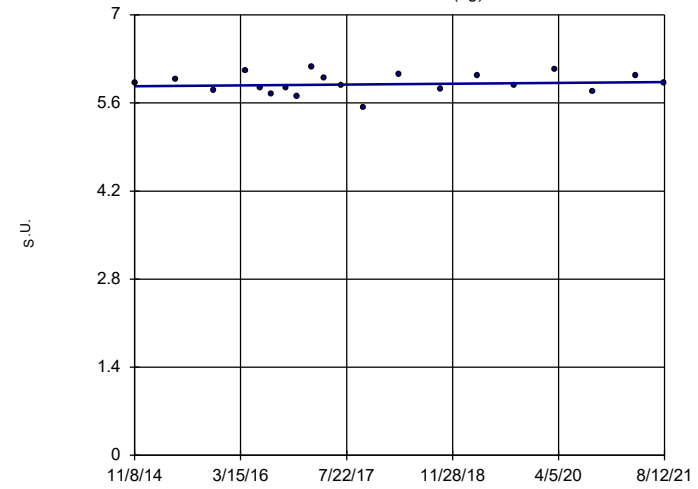


n = 19  
 Slope = 0.02054  
 units per year.  
 Mann-Kendall  
 statistic = 47  
 critical = 74  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-22 (bg)

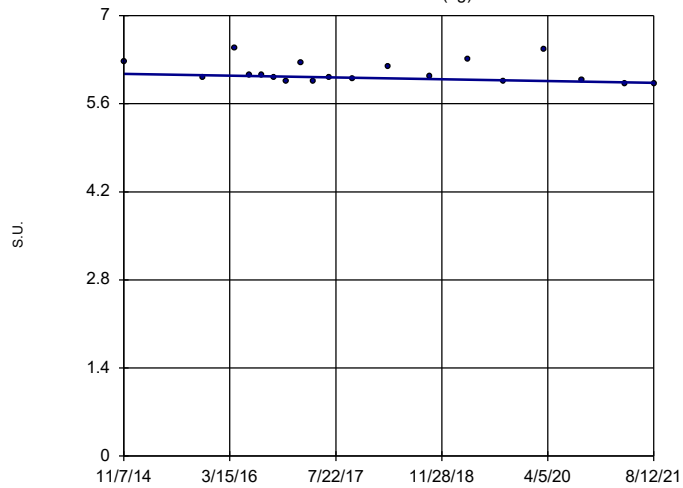


n = 20  
 Slope = 0.01012  
 units per year.  
 Mann-Kendall  
 statistic = 12  
 critical = 81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-45 (bg)

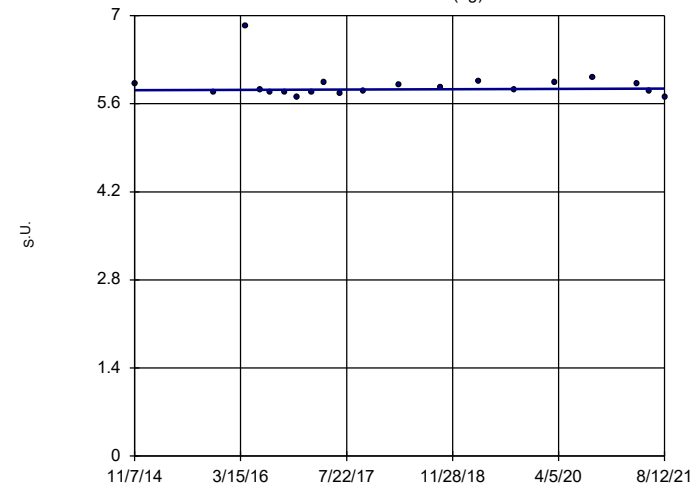


n = 19  
 Slope = -0.02066  
 units per year.  
 Mann-Kendall  
 statistic = -49  
 critical = -74  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-46 (bg)

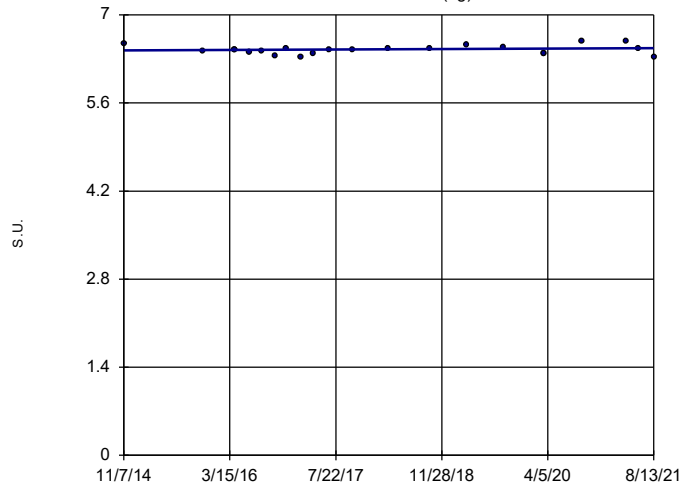


n = 20  
 Slope = 0.004223  
 units per year.  
 Mann-Kendall  
 statistic = 18  
 critical = 81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-47 (bg)

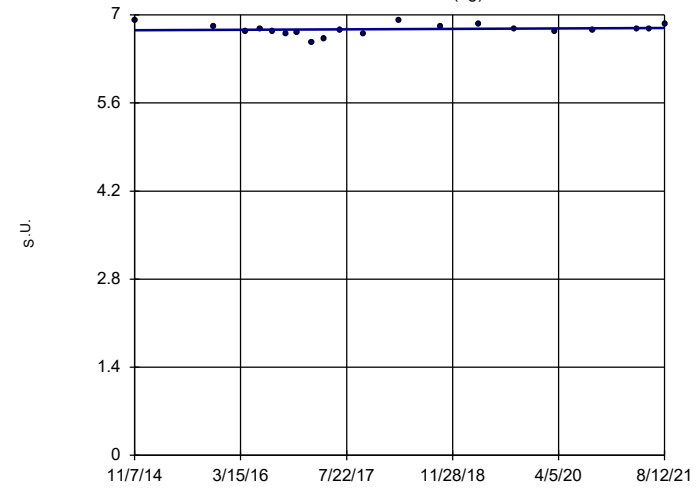


n = 22  
 Slope = 0.005456 units per year.  
 Mann-Kendall statistic = 29  
 critical = 92  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-48 (bg)

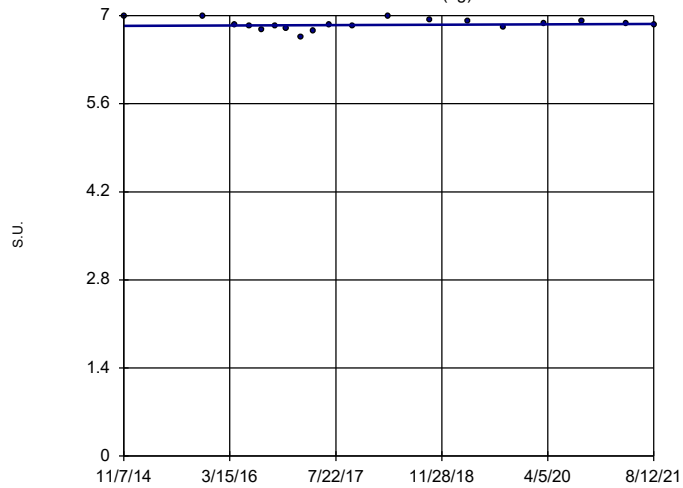


n = 20  
 Slope = 0.005681 units per year.  
 Mann-Kendall statistic = 19  
 critical = 81  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

GWA-49 (bg)

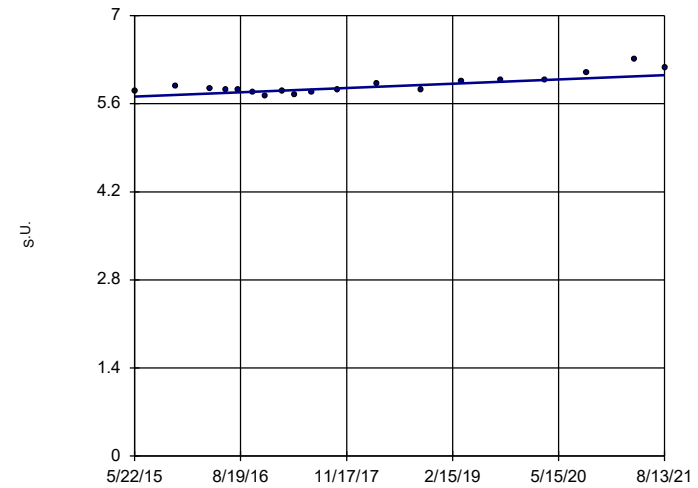


n = 19  
 Slope = 0.004 units per year.  
 Mann-Kendall statistic = 12  
 critical = 74  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

### Sen's Slope Estimator

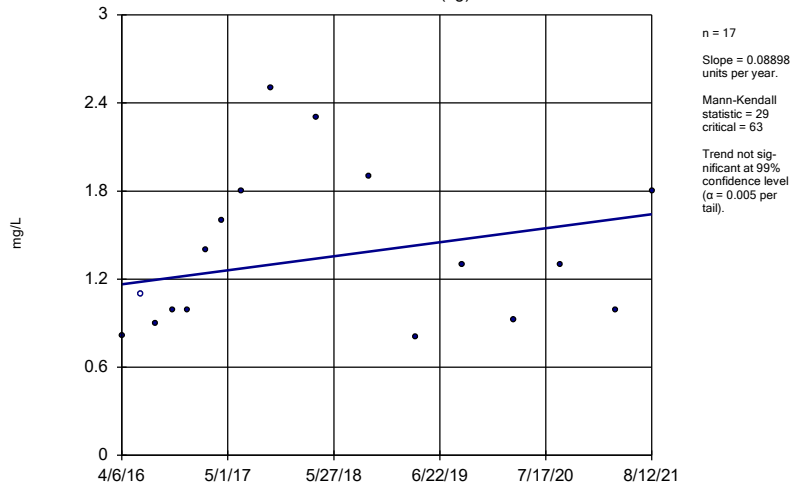
GWC-29



n = 19  
 Slope = 0.05462 units per year.  
 Mann-Kendall statistic = 87  
 critical = 74  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

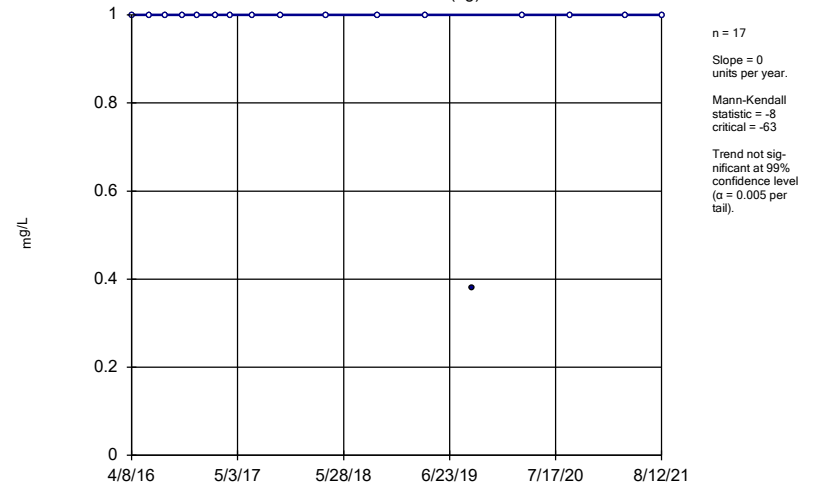
Constituent: pH Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
 GWA-21 (bg)



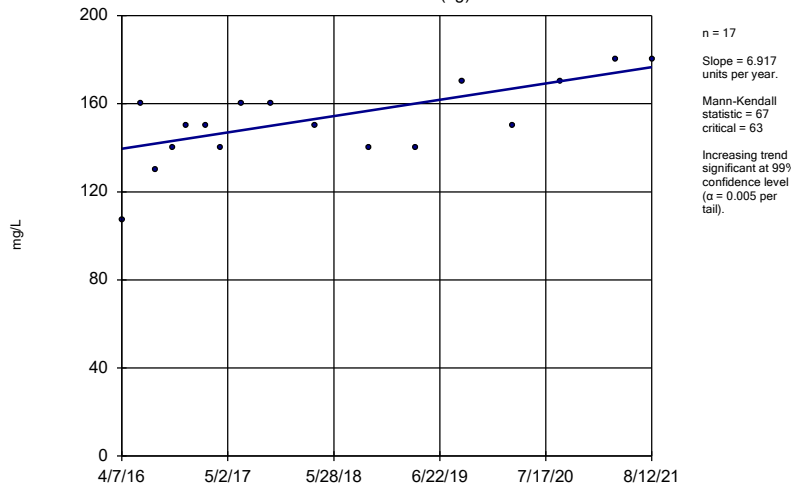
Constituent: Sulfate Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
 GWA-22 (bg)



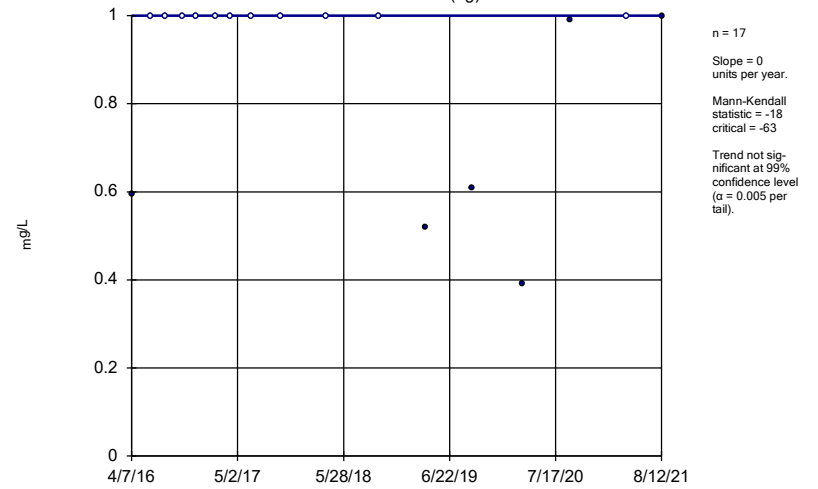
Constituent: Sulfate Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

Sen's Slope Estimator  
 GWA-45 (bg)

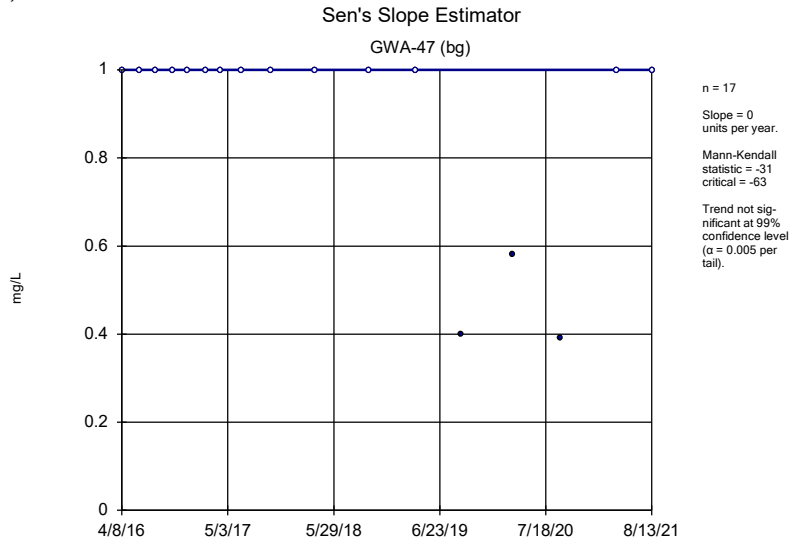


Constituent: Sulfate Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR

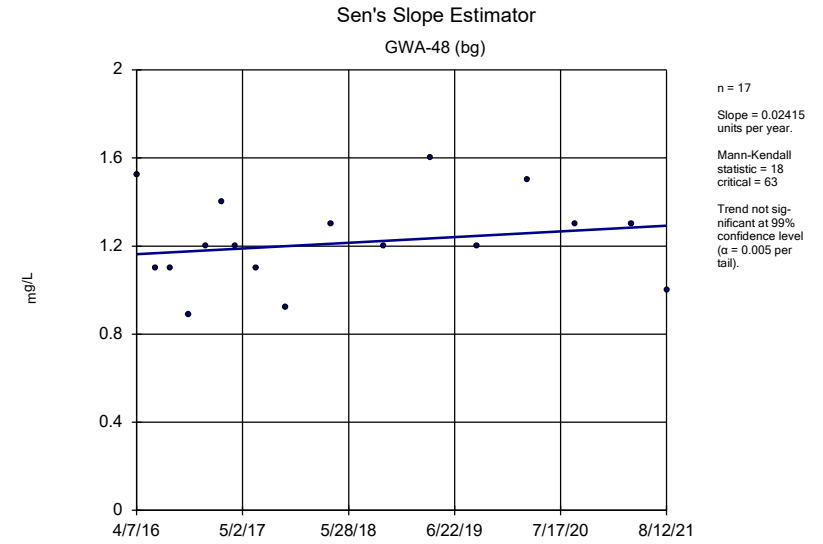
Sen's Slope Estimator  
 GWA-46 (bg)



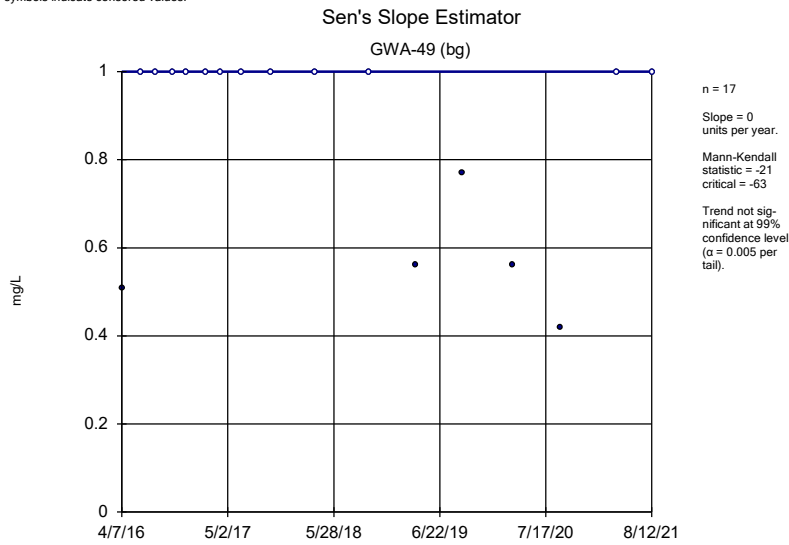
Constituent: Sulfate Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



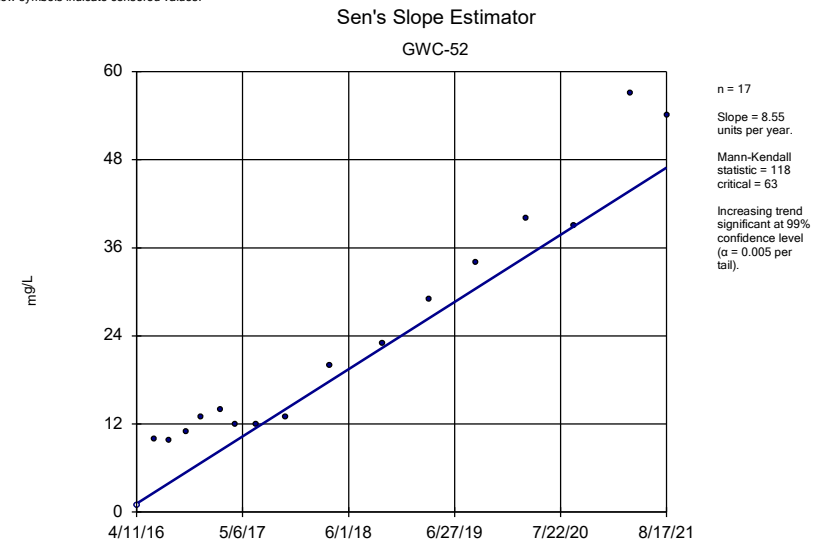
Constituent: Sulfate Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Constituent: Sulfate Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Constituent: Sulfate Analysis Run 9/21/2021 9:20 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



Constituent: Sulfate Analysis Run 9/21/2021 9:21 AM View: Trend Tests PL Exceedances App III  
 Plant Scherer Client: Southern Company Data: Scherer PAC-CCR



**APPENDIX E**

**ALTERNATE SOURCE  
DEMONSTRATION**



**REPORT**

## Alternate Source Demonstration

*Georgia Power Company - Plant Scherer Cell 1 and PAC Ash Cell  
Permit No. 102.009D(LI)  
2020 Second Semi-Annual Monitoring Event*

Submitted to:



### **Georgia Power Company**

241 Ralph McGill Boulevard NE, Atlanta, Georgia 30308

Submitted by:

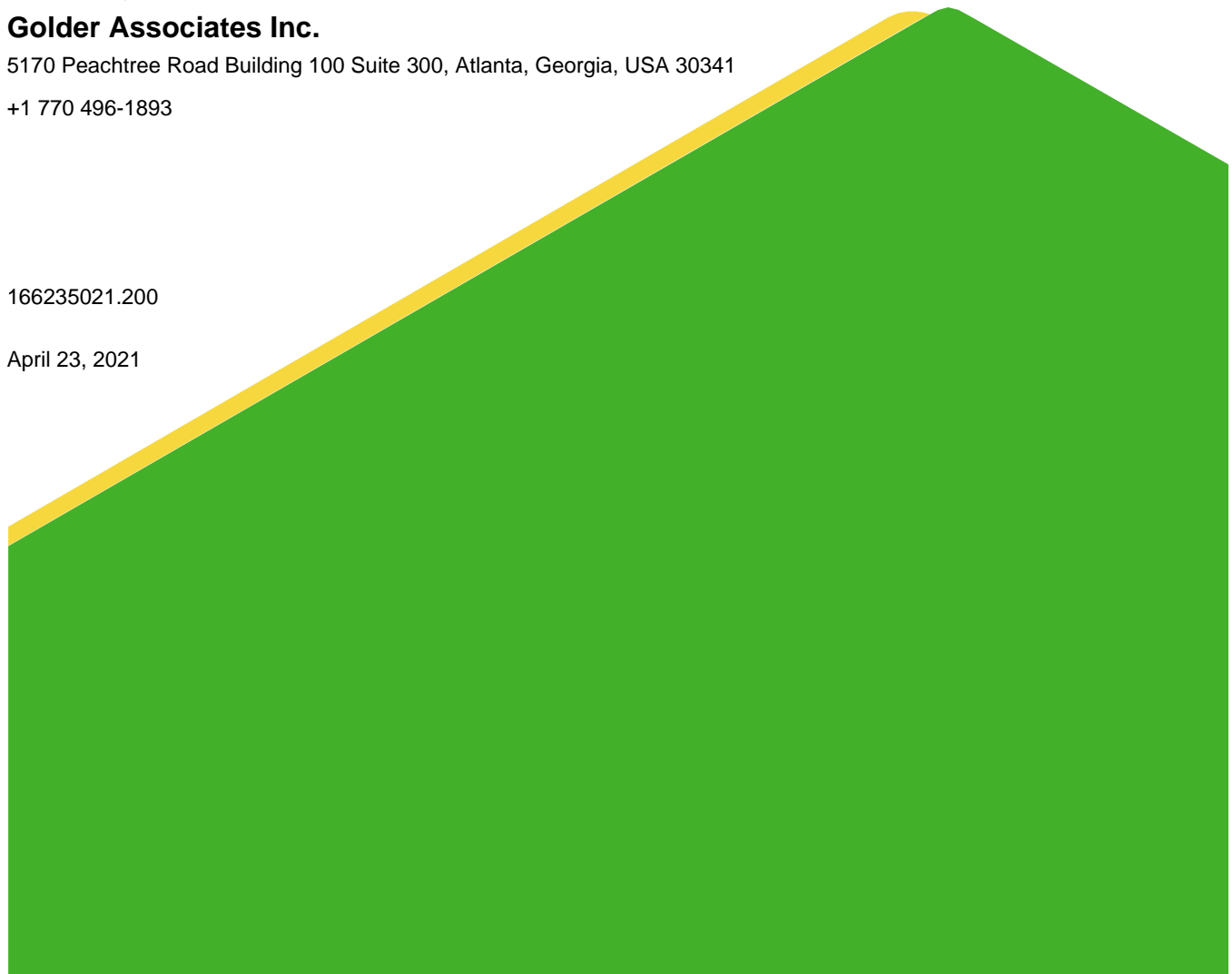
### **Golder Associates Inc.**

5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341

+1 770 496-1893

166235021.200

April 23, 2021



## Table of Contents

<b>CERTIFICATION</b> .....	<b>1</b>
<b>1.0 INTRODUCTION</b> .....	<b>2</b>
<b>2.0 SITE DESCRIPTION</b> .....	<b>2</b>
<b>3.0 EVALUATION OF ANALYTICAL RESULTS &amp; STATISTICAL ANALYSES</b> .....	<b>2</b>
3.1 Statistical Analysis Method .....	3
3.2 Statistically Significant Increases.....	3
3.3 Verification Sampling .....	3
<b>4.0 ALTERNATE SOURCE DEMONSTRATION</b> .....	<b>4</b>
4.1 Calcium (GWC-8A and GWC-19) .....	4
4.2 Chloride and Total Dissolved Solids (GWC-8A) .....	6
4.3 Zinc (GWC-11) .....	7
<b>5.0 CONCLUSIONS</b> .....	<b>8</b>
<b>6.0 REFERENCES</b> .....	<b>8</b>

## Figures

Figure 1 Site Location Map

Figure 2 Potentiometric Surface Map - September 8, 2020

## Certification

This *Alternate Source Demonstration, Georgia Power Company Plant Scherer Cell 1 and PAC Ash Cell, 2020 Second Semi-Annual Monitoring Event*, has been prepared in compliance with 40 CFR § 257.94(e)(2) of the Federal Coal Combustion Residuals (CCR) Rule and §391-3-4-.14(23)(c) Georgia Solid Waste Management Rule by a qualified groundwater scientist or engineer with Golder Associates Inc. References to the appropriate 391-3-4 Rules are incorporated throughout this document.

### Golder Associates Inc.



4/23/2021

Rachel P. Kirkman, PG  
Registered Professional Geologist No. 1756

Date

I hereby certify that the information used in this *2020 Second Semi-Annual Monitoring Event Alternate Source Demonstration, Georgia Power Company Plant Scherer Cell 1 and PAC Ash Cell*, is accurate pursuant to the requirements of 40 CFR §257.94(e)(2).



W. Randall Sullivan, PE  
Georgia Georgia Registered Professional Engineer No. 13030

Golder and the G logo are trademarks of Golder Associates Corporation

[https://golderassociates.sharepoint.com/sites/24912g/project files/200 reports/alternate source demonstrations/2sa.2020\\_asd ladfill 4.2021/asd\\_state permit 2sa-2020 draft 4.15.2021\\_v.4.docx](https://golderassociates.sharepoint.com/sites/24912g/project%20files/200%20reports/alternate%20source%20demonstrations/2sa.2020_asd%20ladfill%204.2021/asd_state%20permit%202sa-2020%20draft%204.15.2021_v.4.docx)

## 1.0 INTRODUCTION

This alternate source demonstration (ASD) has been prepared by Golder Associates Inc. (Golder) in accordance with 40 CFR § 257.94(e)(2) of the Federal Coal Combustion Residuals (CCR) Rule and §391-3-4-.14(23)(c) of the Georgia Solid Waste Management Rules to address the statistically significant increases (SSIs) of monitored constituents over background concentrations. These SSIs are presented in the *2020 Annual Groundwater Monitoring Report*, dated January 29, 2021, for the September 2020 semi-annual groundwater sampling event at Georgia Power's Plant Scherer (Scherer) Cell 1 and Powdered Activated Carbon (PAC) Ash cell (Golder, 2021). This report is filed in the Plant Scherer operating record within 90 days of the reported SSIs and describes an alternate source for the reported SSIs and demonstrates that the SSIs are not the result of a release from Cell 1 or PAC Ash Cell, but rather due to natural groundwater chemistry variation.

Semi-annual water quality monitoring and reporting for the landfill units at Plant Scherer are performed in accordance with the monitoring program requirements of the Georgia (GA) Department of Natural Resources Environmental Protection Division (EPD) Chapter 391-3-4 Solid Waste Management; Solid Waste Permit 102-009D(LI); and the *Groundwater Monitoring Plan Narrative of the Design & Operations Plan for Georgia Power Company's, Plant Scherer CCB Disposal Facility*, prepared by Southern Company Generation Engineering and Construction Services, February 26, 2010, including two minor modifications: (1) the addition of CCR Rule Appendix III and Appendix IV monitoring parameters approved by EPD on August 9, 2017; and (2) revised statistical analysis approved by EPD on August 20, 2019. The following sections address the statistical exceedances noted following the September 2020 semi-annual monitoring event and demonstrates an alternate source for these exceedances.

## 2.0 SITE DESCRIPTION

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. The property occupies approximately 13,000 acres and is bounded on the south by Lake Juliette. The plant is primarily surrounded by agricultural and residential use. Figure 1 depicts the location of Plant Scherer relative to the surrounding area.

The Plant Scherer Landfill consists of a two active cells, namely, Cell 1 and PAC Ash Cell, and future Cells 2 and 3. The two active cells have been utilized since 2011 for the disposal of CCR. The total disposal area occupies approximately 325 acres along the northern portion of the property. Figure 2, depicts the general configuration of the landfill units and site monitoring wells along with the potentiometric surface from September 2020.

The site 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 (Golder, 2020a). Overall, the property slopes gently south towards Lake Juliette and east toward the Ocmulgee River (Figure 1). The landfill is situated east/southeast of the ash pond which is in a topographically high area on the property. The landfill cells have a geosynthetic clay liner and a geomembrane, and a leachate collection and removal system.

## 3.0 EVALUATION OF ANALYTICAL RESULTS & STATISTICAL ANALYSES

As presented in the *2020 Annual Groundwater Monitoring & Corrective Action Report*, analytical results show that concentrations of target constituents are below the established prediction limits (PLs) in groundwater samples collected during the September 2020 sampling event with exceptions noted in the report.

Verification resampling was not conducted for initial control limit exceedances reported in September 2020. This ASD addresses each of those initial and verified statistical exceedances.

### 3.1 Statistical Analysis Method

The selected statistical method for Cell 1 and PAC Ash Cell was developed using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, USEPA 530/R-09-007 (Unified Guidance). The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by United States Environmental Protection Agency (USEPA) regulations and guidance as recommended in the USEPA Unified Guidance (2009) document.

During detection monitoring at the site, groundwater quality data are evaluated using a 2-step statistical approach [i.e., intrawell followed by interwell prediction limits (PLs)]. The statistical method(s) use an optional 1-of-2 verification resample plan. An initial exceedance occurs when any downgradient well data exceed both intra and interwell PLs.

### 3.2 Statistically Significant Increases

Table 1 provides a summary of the apparent statistical exceedances for Cell 1 identified in the *2020 Annual Groundwater Monitoring & Corrective Action Report*. No exceedances of the prediction limits are identified for the PAC Ash Cell.

**Table 1: September 2020 Cell 1 Statistically Significant Increase Summary**

Constituents	Cell 1 Monitoring Wells
<b>Appendix III Monitoring Constituents</b>	
Calcium	GWC-8A, GWC-19
Chloride	GWC-8A
Total Dissolved Solids (TDS)	GWC-8A
<b>State Appendix I Monitoring Constituents</b>	
Zinc	GWC-11

### 3.3 Verification Sampling

In lieu of immediate verification resampling, an ASD has been prepared to address each of the initial and verified SSIs over background. Table 2 provides the results of the September 2020 sampling event, the upper PL, and whether the statistical exceedance is verified from the previous (March 2020) event or an initial control limit exceedance. Verification sampling for the initial control limit exceedances identified following the September 2020 monitoring event will be conducted in April 2021.

**Table 2: Summary of Sampling Results**

Well	Parameter	Concentration (September 2020) mg/L	Upper Prediction Limit mg/L	SSI (Initial / Verified)	ASD Previously Submitted
<b>Cell 1</b>					
GWC-8A	Calcium	64	45.47	Verified	Yes <sup>[1]</sup>
	Chloride	11	8.684	Verified	Yes <sup>[1]</sup>
	TDS	360	243.6	Verified	Yes <sup>[1]</sup>
GWC-11	Zinc	0.018	0.007	Initial	No
GWC-19	Calcium	15	13.6	Verified	Yes <sup>[2]</sup>
<b>Pac Ash Cell – No Exceedances</b>					

Notes:

ASD – Alternate Source Demonstration

[1] Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 First Semi-Annual Monitoring Event, (Golder, 2020b).

[2] Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2019 Second Semi-Annual Monitoring Event (Golder, 2020c).

## 4.0 ALTERNATE SOURCE DEMONSTRATION

As summarized in Table 2, SSIs of groundwater quality data were noted for calcium, chloride, TDS, and zinc at select Cell 1 monitoring wells. No exceedances were noted for PAC Ash Cell. Recent ASDs that address many of the current SSIs as summarized in Table 2 include:

- Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 First Semi-Annual Monitoring Event, (Golder, 2020b)
- Alternate Source Demonstration, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), Second Semi-Annual 2019 Monitoring Event (Golder, 2020c)

Review of groundwater quality data from this most recent event indicates that groundwater concentrations remain similar; therefore, the previous ASDs are still applicable and no further action is necessary.

The following discussion provides a demonstration that the SSIs identified as initial or those verified SSIs without a previous ASD on Table 2 are not the result of a release from Cell 1 or the PAC Ash Cell and are attributed to natural variation in groundwater quality.

### 4.1 Calcium (GWC-8A and GWC-19)

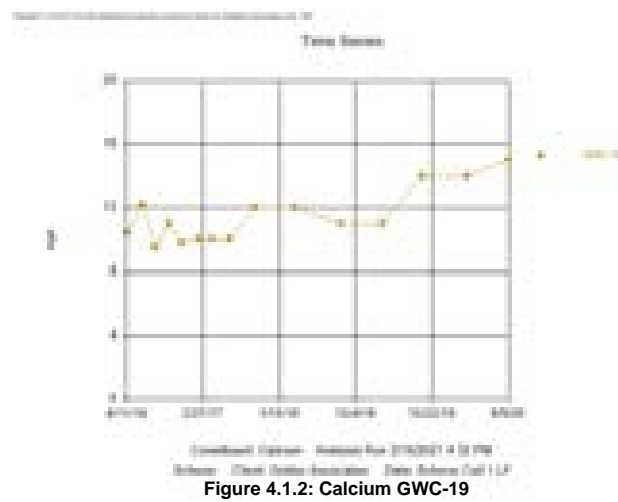
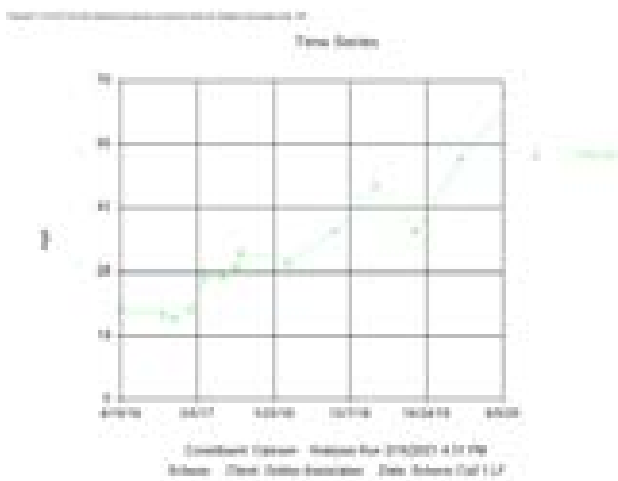
SSIs of calcium were identified at downgradient monitoring wells GWC-8A and GWC-19 following the September 2020 sampling event. The SSIs are the result of exceedances of the calculated prediction limits.

Review of time series plots show that the reported concentrations of calcium at these wells are within the range of concentrations observed across the site both upgradient and downgradient of the lined units. The reported concentration of calcium observed at GWC-19 (15 milligrams per liter or mg/L) is within the range observed across the site (1 to 20 mg/L). Although an upward trend of calcium at GWC-8A is observed, the relative concentrations observed at GWC-8A is within the range that is naturally observed (USGS, 2009). In addition, review of the time series plots for these wells (below Figures 4.1.1 through 4.1.3) shows that calcium concentrations at well GWC-19 shows little variability over time. The reported SSIs are interpreted to be the result

of slight increases in concentration, not significant increases as would be expected if a CCR release were to have occurred.

The concentration of boron, a primary CCR indicator parameter, is not detected above reporting limits for this monitoring event at any of the Cell 1 monitoring wells. Additionally, elevated concentrations or increasing trends of other constituents, with the exception of chloride in GWC-8A as noted below are not observed. This indicates that a release of CCR materials has not caused the SSI observed at GWC-8A and GWC-19. Also, Cell 1 is a gypsum cell and includes a sulfate source signature, which is not observed at any of the Cell 1 monitoring wells, further demonstrating that the source of the statistical exceedances is natural variability and not a release from Cell 1.

Based on these data, the apparent SSIs of calcium are the result of natural variability in groundwater chemistry not accounted for in the current background data set. Georgia Power will continue to monitor the concentrations of calcium at GWC-8A and GWC-19 during future sampling events.





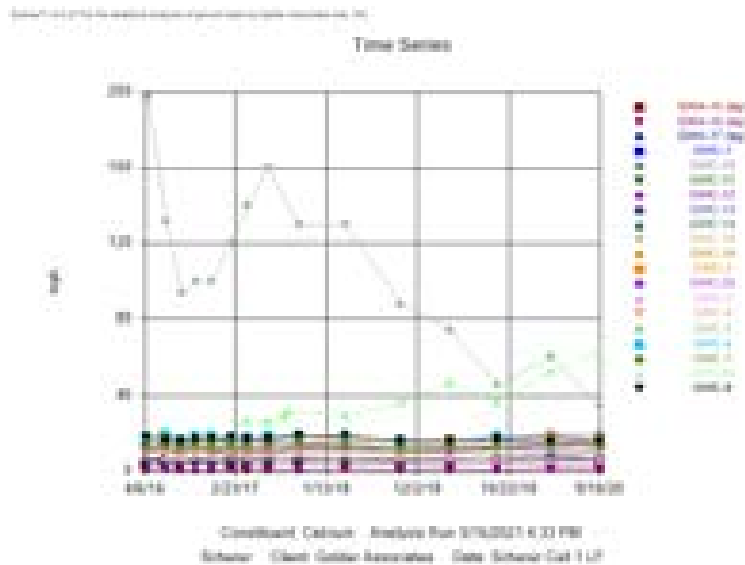


Figure 4.1.3: Cell 1 Site-Wide

## 4.2 Chloride and Total Dissolved Solids (GWC-8A)

SSIs of chloride and TDS were identified at downgradient Cell 1 monitoring well GWC-8A following the September 2020 sampling event. The observed concentrations of chloride at GWC-8A (11 mg/L) is just above the PL (8.684 mg/L) and well below the USEPA secondary maximum contaminant level of 250 mg/L. The reported concentration of TDS at GWC-8A (360 mg/L) is also above the PL (243.6 mg/L). Review of the time series plots (Figures 4.2.1 through 4.2.4) shows that the reported concentrations of chloride at this well are within the range of concentrations observed at other site monitoring wells. Although a slight increasing trend for chloride is noted for recent events, the reported concentration of chloride is very low and comparable to onsite chloride concentrations. The reported results are below that which is naturally observed (USGS, 2009). TDS is the sum of dissolved solids in water and thus, any change in chloride or calcium concentrations would affect the TDS concentration.

In addition to relatively low concentrations of chloride, a primary CCR indicator, boron, has not been detected at this well.

Based on these facts, the statistical exceedances of chloride and TDS at GWC-8A are the result of natural variability in groundwater chemistry not accounted for with the current statistical background data set. Georgia Power will continue to monitor the variability of chloride concentrations at these wells during future sampling events.

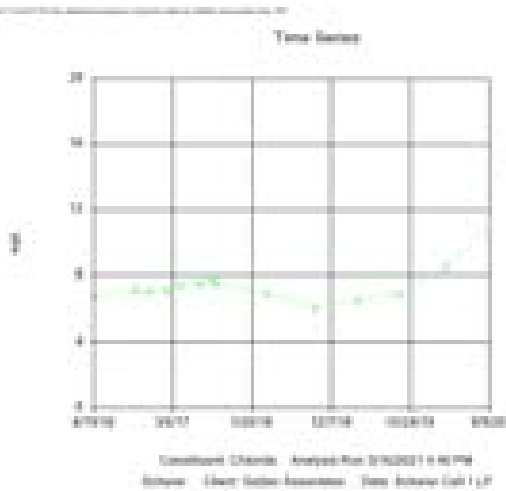


Figure 4.2.1: Chloride GWC-8A

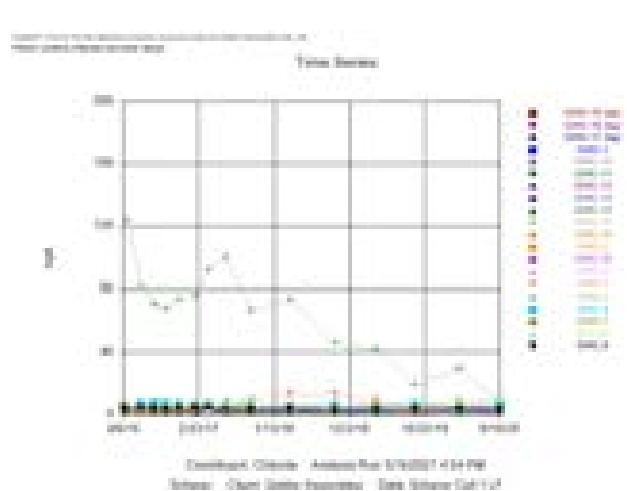


Figure 4.2.2: Chloride Cell 1 Site-Wide

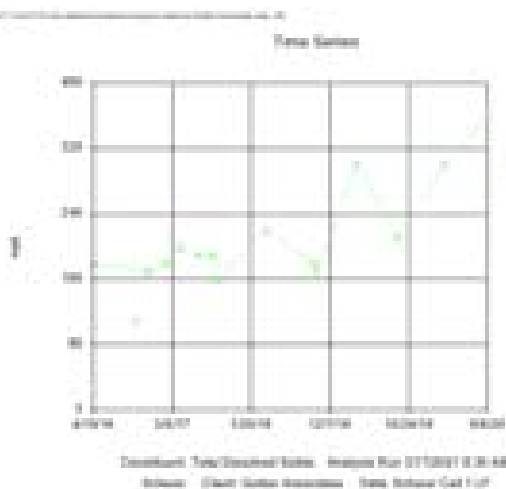


Figure 4.2.3: Total Dissolved Solids GWC-8A

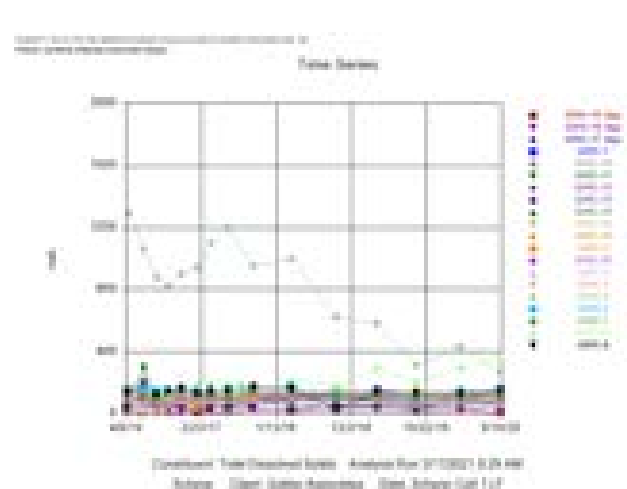


Figure 4.2.4: Total Dissolved Solids Cell 1 Site Wide

### 4.3 Zinc (GWC-11)

A SSI of zinc was identified at downgradient Cell 1 monitoring well GWC-11 following the September 2020 sampling event. The reported concentration of zinc (0.018 mg/L) is above the PL (0.007 mg/L). Review of the time series plots (Figures 4.3.1 and 4.3.2) shows that the reported concentrations at GWC-11 have been seasonally variable and are not part of a significant trend. Zinc concentrations at GWC-11 are relatively low and represent concentrations expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US (USGS, 2013). Further, the primary CCR indicator boron has not been detected at this well since analysis was initiated in 2016. Based on data presented in the literature and in this ASD, the observed concentration of zinc at GWC-11 is representative of naturally occurring zinc within the the aquifer. The variability of zinc concentrations at this wells will be monitored during future sampling events.



Figure 4.3.1: Zinc GWC-11

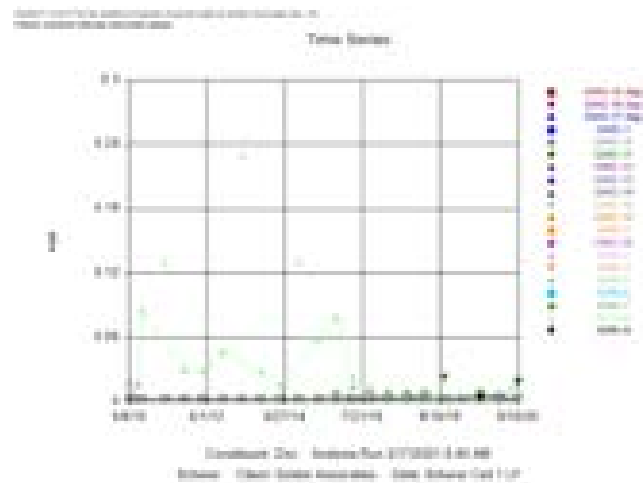


Figure 4.3.2: Zinc Cell 1 Site-Wide

## 5.0 CONCLUSIONS

This ASD has been prepared in response to apparent statistical exceedances presented in the *2020 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI)*, dated January 29, 2021. In accordance with 40 CFR § 257.94(e)(2) and §391-3-4-.14.(23)(c) of the GA Solid Waste Management Rules, this ASD along with previously presented ASDs addresses each of the SSIs confirmed following the September 2020 sampling event.

SSIs from the September 2020 monitoring event are not the result of a release from either of the lined landfill units, but rather natural variability in groundwater chemistry. The reported concentrations of calcium, chloride, total dissolved solids and zinc are within the range of concentrations expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US (USGS, 2009; USGS, 2013). Boron, a primary indicator parameter for CCR, is not detected above reporting limits at any of the Cell 1 monitoring wells during this monitoring event. Also, Cell 1 is a gypsum cell with a sulfate source signature which is not observed at any of the Cell 1 monitoring wells, further demonstrating that the source of the statistical exceedances is natural variability and not a release from Cell 1. The monitoring well network continues to effectively monitor the water bearing unit beneath the Cell 1 and PAC Ash units. Based on the findings presented herein, Georgia Power will continue with detection groundwater monitoring at Cell 1 and PAC Ash Cell.

## 6.0 REFERENCES

- Golder, 2020a. *Hydrogeologic Assessment Report, Plant Scherer Ash Pond 1*, Golder Associates Inc., December, 2020.
- Golder, 2020b. *Alternate Source Demonstration*, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), First Semi-Annual 2020 Monitoring Event, Golder Associates Inc., August 2020.
- Golder, 2020c. *Alternate Source Demonstration*, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), Second Semi-Annual 2019 Monitoring Event, Golder Associates Inc., April 2020
- Golder, 2021. *2020 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI)*, Golder Associates Inc., January 29, 2021.

USEPA, 2009, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery – Program Implementation and Information Division, March 2009.

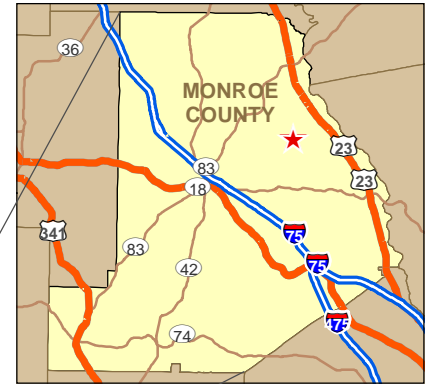
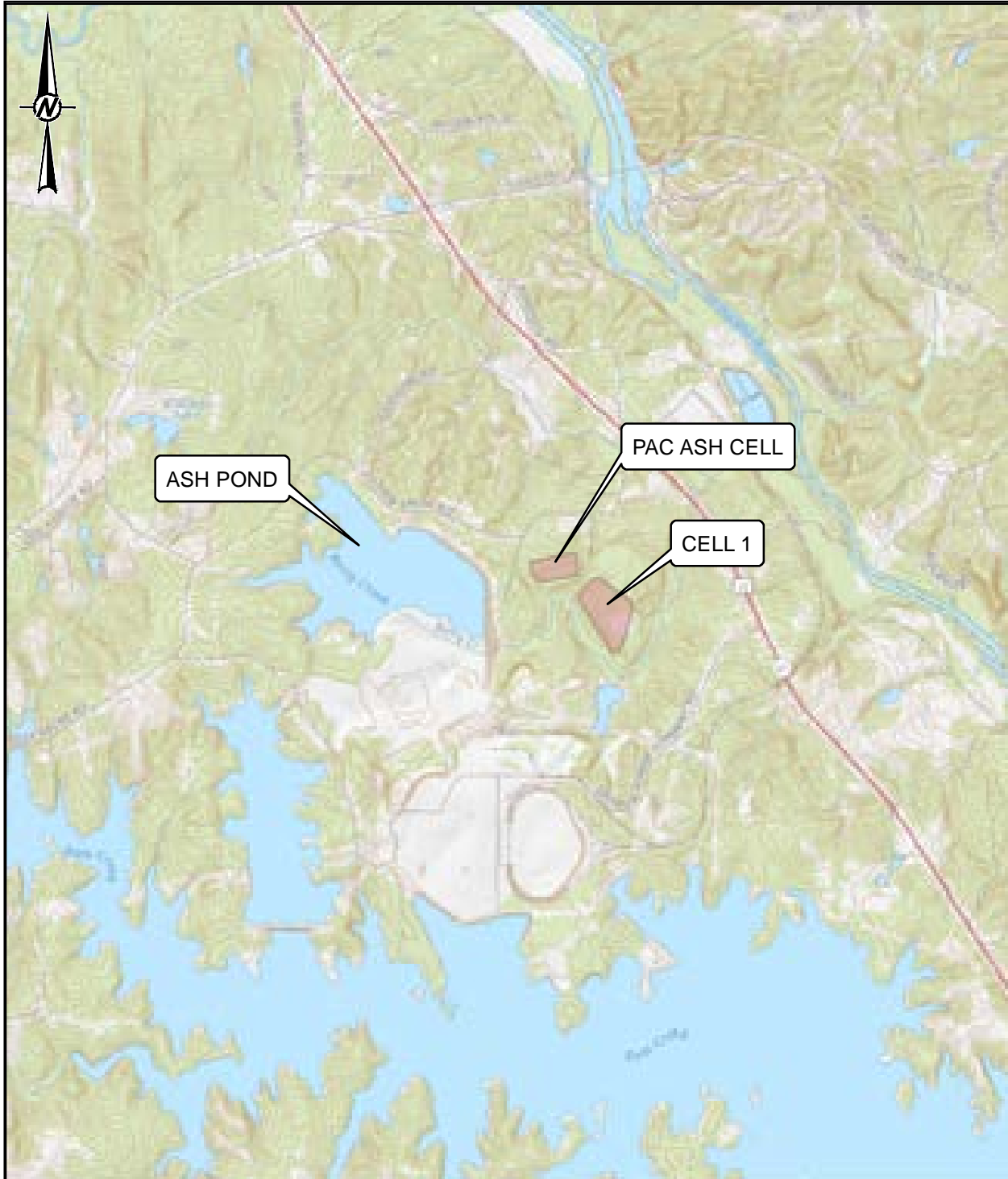
USGS, 2009. *Characterization of Groundwater Quality Based on Regional Geologic Setting in the Piedmont and Blue Ridge Physiographic Provinces, North Carolina*, Scientific Investigations Report 2009-5149, 2009.

USGS, 2013. *Natural Occurring Contaminants in the Piedmont and Blue Ridge Crystalline-Rock Aquifers and Piedmont Early Mesozoic Basin Siliciclastic-Rock Aquifers, Eastern United States, 1994-2008*, Scientific Investigations Report 2013-5072, 2013.

# FIGURES

**Figure 1: Site Location Map**

**Figure 2: Site Plan and Well Location Map**



Service Layer Credits: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National



CLIENT  
**GEORGIA POWER COMPANY**



PROJECT  
**PLANT SCHERER**

TITLE  
**SITE LOCATION MAP**

CONSULTANT



YYYY-MM-DD 2018-01-31

PREPARED DJC

DESIGN DLP

REVIEW *djp*

APPROVED *rpk*

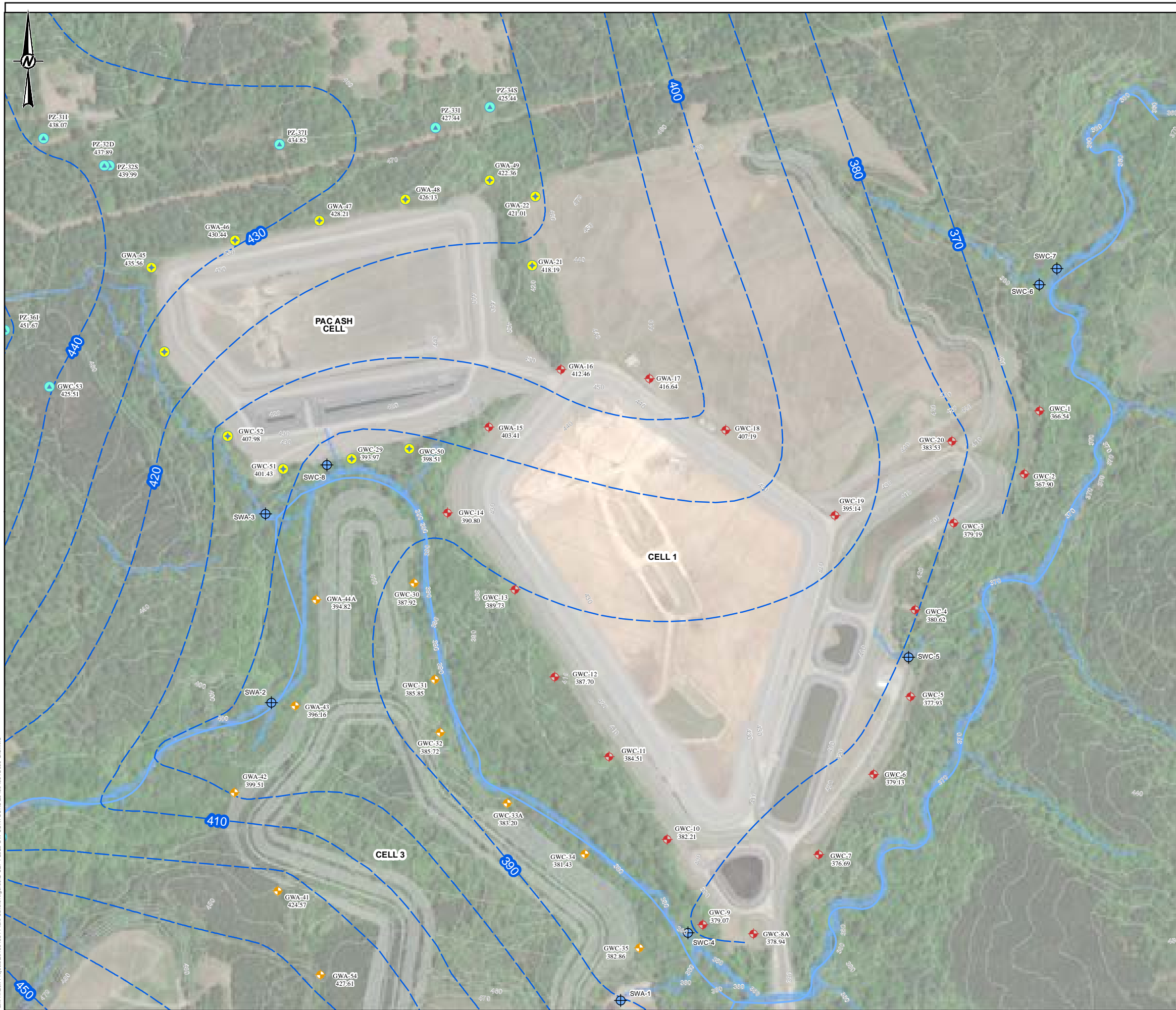
PROJECT No.  
 1662350

CONTROL  
 1662350\000-GIS.mxd

Rev.  
 0

FIGURE  
 1

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSIA



**LEGEND**

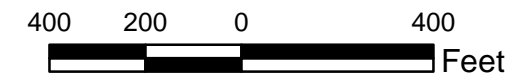
- ◆ CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- ◆ CELL 3 MONITORING WELL
- PIEZOMETER
- ⊕ SURFACE WATER SAMPLING LOCATION
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- PROPERTY BOUNDARY
- PONDS

**NOTES**

1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED SEPTEMBER 8, 2020 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.

**REFERENCE**

1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY JORDAN ENGINEERING.



CLIENT  
**GEORGIA POWER COMPANY**

PROJECT  
**PLANT SCHERER**

TITLE  
**POTENTIOMETRIC SURFACE MAP  
 SEPTEMBER 8, 2020**

CONSULTANT	YYYY-MM-DD	2021-03-22
<b>GOLDER</b>	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

PROJECT No. 201394884 CONTROL 201394884G003-GIS.mxd Rev. 0 FIGURE **2**

Path: H:\30k-Projects\201394884-Plant\_Scherer\figures\G-SEPT\_2020\_GW\_CONTOURS\201394884G003-GIS.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/B



**REPORT**

# Alternate Source Demonstration

*Plant Scherer Cell 1 and PAC Ash Cell*

*Permit No. 102.009D(LI)*

*2021 First Semi-Annual Monitoring Event*

Submitted to:



**Georgia Power Company**

241 Ralph McGill Boulevard NE, Atlanta, Georgia 30308

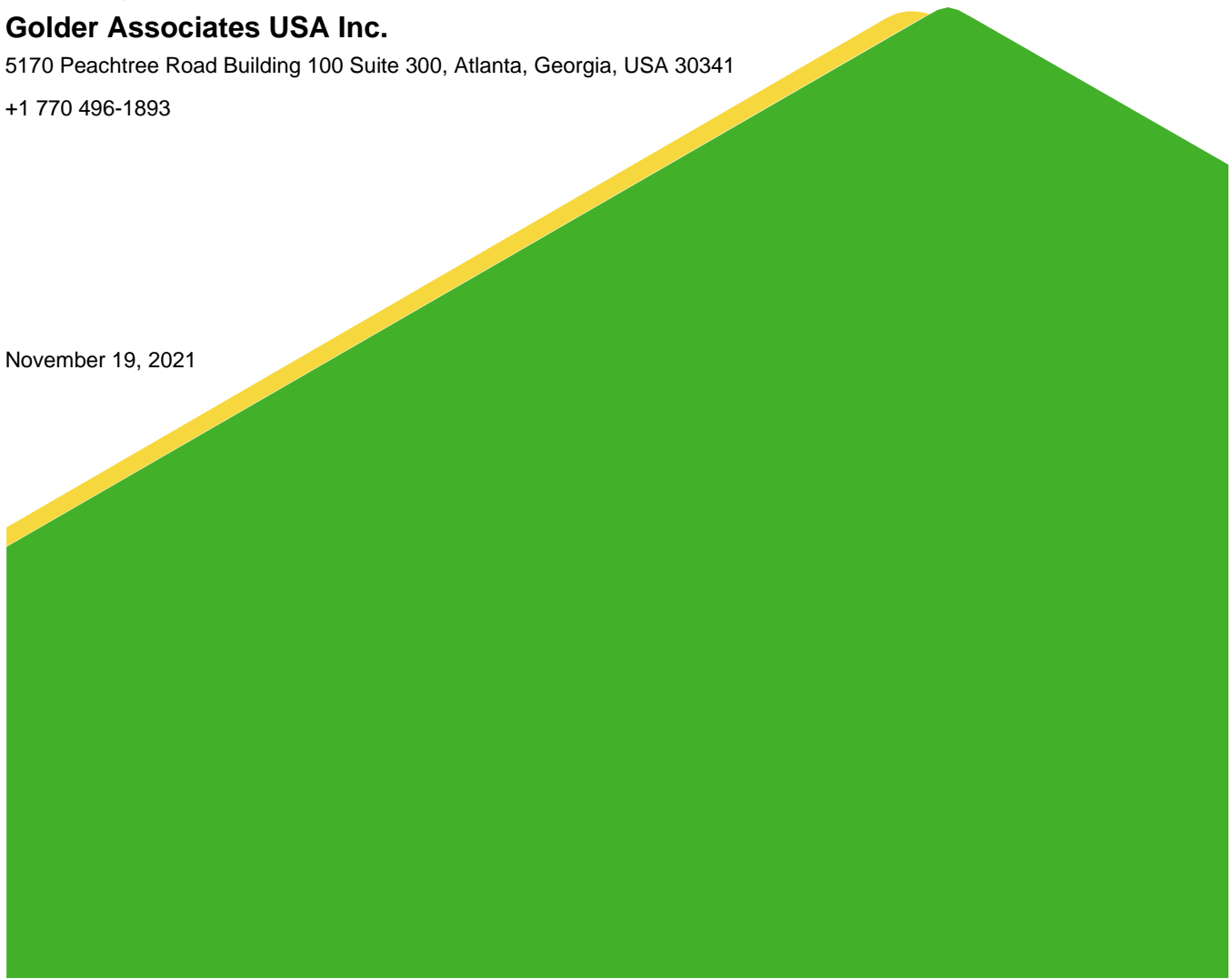
Submitted by:

**Golder Associates USA Inc.**

5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341

+1 770 496-1893

November 19, 2021





## Table of Contents

<b>CERTIFICATION</b> .....	<b>1</b>
<b>1.0 INTRODUCTION</b> .....	<b>2</b>
<b>2.0 SITE DESCRIPTION</b> .....	<b>2</b>
<b>3.0 EVALUATION OF ANALYTICAL RESULTS &amp; STATISTICAL ANALYSES</b> .....	<b>3</b>
3.1 Statistical Analysis Method .....	3
3.2 Statistically Significant Increases.....	3
3.3 Verification Sampling .....	3
<b>4.0 ALTERNATE SOURCE DEMONSTRATION</b> .....	<b>4</b>
4.1 Calcium (GWC-8A) .....	4
4.2 pH (GWC-2) .....	8
4.3 Zinc (GWC-2).....	10
<b>5.0 CONCLUSIONS</b> .....	<b>12</b>
<b>6.0 REFERENCES</b> .....	<b>13</b>

## Figures & Tables

Figure 1 Site Location Map

Figure 2 Potentiometric Surface Map – Cell 1 and PAC Ash Cell (March 29, 2021)

Table 1 Analytical Data Summary Cell 1- April 2021

## Certification

This *Alternate Source Demonstration, Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI), 2021 First Semi-Annual Monitoring Event*, has been prepared in compliance with 40 CFR § 257.94(e)(2) of the Federal Coal Combustion Residuals (CCR) Rule and §391-3-4-.14(23)(c) Georgia Solid Waste Management Rule by a qualified groundwater scientist or engineer with Golder Associates Inc. References to the appropriate 391-3-4 Rules are incorporated throughout this document.

### Golder Associates USA Inc.



11/19/2021

---

Rachel P. Kirkman, PG  
Registered Professional Geologist No. 1756

---

Date

I hereby certify that the information used in this *2021 First Semi-Annual Monitoring Event Alternate Source Demonstration, Georgia Power Company Plant Scherer Cell 1*, is accurate pursuant to the requirements of 40 CFR §257.94(e)(2).



---

W. Randall Sullivan, PE  
Georgia Georgia Registered Professional Engineer No. 13030

Golder and the G logo are trademarks of Golder Associates Corporation

## 1.0 INTRODUCTION

This alternate source demonstration (ASD) has been prepared on behalf of Georgia Power Company (Georgia Power) by Golder Associates Inc. (Golder) in accordance with 40 CFR § 257.94(e)(2) of the Federal Coal Combustion Residuals (CCR) Rule and §391-3-4-.14(23)(c) of the Georgia Solid Waste Management Rules to address the statistically significant increases (SSIs) of monitored constituents over background concentrations. These SSIs are presented in the *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report*, dated August 31, 2021, for the March/April 2021 semi-annual groundwater sampling event at Georgia Power's Plant Scherer (Scherer) Cell 1 and Powdered Activated Carbon (PAC) Ash cell (Golder, 2021a). Within 90 days of the reported SSIs in compliance with 391-3-.14, this report describes an alternate source for the reported SSIs and demonstrates that the SSIs are not the result of a release from Cell 1 or PAC Ash Cell, but rather due to natural variability in groundwater chemistry.

Semi-annual groundwater quality monitoring and reporting for the landfill units at Plant Scherer are performed in accordance with the monitoring program requirements of the Georgia (GA) Department of Natural Resources Environmental Protection Division (EPD) Chapter 391-3-4 Solid Waste Management; Solid Waste Permit 102-009D(LI); and the *Groundwater Monitoring Plan Narrative of the Design & Operations Plan for Georgia Power Company's, Plant Scherer CCB Disposal Facility*, prepared by Southern Company Generation Engineering and Construction Services, February 26, 2010, including three minor modifications: (1) the addition of CCR Rule Appendix III and Appendix IV monitoring parameters approved by GA EPD on August 9, 2017; and (2) revised statistical analysis approved by EPD on August 20, 2019; and (3) two-step statistical analysis approved on April 19, 2021. The following sections address the statistical exceedances noted following the 2021 first semi-annual monitoring event and demonstrates an alternate source for these exceedances.

## 2.0 SITE DESCRIPTION

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. The property occupies approximately 13,000 acres and is bounded on the south by Lake Juliette. The plant is primarily surrounded by agricultural and residential use. Figure 1 depicts the location of Plant Scherer relative to the surrounding area.

The Plant Scherer Landfill consists of a two active cells, namely, Cell 1 and PAC Ash Cell. The two active cells have been utilized since 2011 for the disposal of CCR. Figure 2, depicts the general configuration of the landfill units and site monitoring wells along with the potentiometric surface from March 2021.

The site 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 (Golder, 2021b). Overall, the property slopes gently south towards Lake Juliette and east toward the Ocmulgee River (Figure 1). The landfill is situated east/southeast of the ash pond which is in a topographically high area on the property. The landfill cells have a geosynthetic clay liner and a geomembrane, and a leachate collection and removal system.

### 3.0 EVALUATION OF ANALYTICAL RESULTS & STATISTICAL ANALYSES

As presented in the *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report*, analytical results show that concentrations of target constituents are below the established prediction limits (PLs) in groundwater samples collected during the March/April 2021 sampling event with exceptions noted in the report and summarized in section 3.2 below.

Verification resampling was not conducted for initial control limit exceedances reported in March/April 2021. This ASD addresses each of those SSIs that were first reported following the March/April 2021 sampling event and those that are verified with the March/April 2021 sampling event.

#### 3.1 Statistical Analysis Method

The selected statistical method for Cell 1 and PAC Ash Cell was developed using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, USEPA 530/R-09-007 (Unified Guidance). The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by United States Environmental Protection Agency (USEPA) regulations and guidance as recommended in the USEPA Unified Guidance (2009) document.

During detection monitoring at the site, groundwater quality data are evaluated using a two-step statistical approach [i.e., intrawell followed by interwell prediction limits (PLs)]. The statistical method(s) use an optional 1-of-2 verification resample plan. An initial exceedance occurs when any downgradient well data exceed both intra and interwell PLs.

#### 3.2 Statistically Significant Increases

The table below provides a summary of the apparent statistical exceedances for Cell 1 identified in the *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report*. No exceedances of the prediction limits are identified for the PAC Ash Cell.

##### March/April 2021 Cell 1 Statistically Significant Increase Summary

Cell 1	
Appendix III and State Metal Constituents	March 2021
Calcium	GWC-8A
pH	GWC-2
Zinc	GWC-2

#### 3.3 Verification Sampling

In lieu of immediate verification resampling, an ASD has been prepared to address each of the initial (pH and zinc at GWC-2) and verified (calcium at GWC-8A) SSIs over background. The following table provides the results of the March/April 2021 sampling event, the upper PLs, and whether each statistical exceedance is verified from the previous (September 2020) event or an initial control limit exceedance.

**Summary of March/April 2021 Sampling Results**

Well	Parameter	Concentration (April 2021) mg/L	Upper Prediction Limit mg/L	SSI (Initial / Verified)	ASD Previously Submitted
<b>Cell 1</b>					
GWC-8A	Calcium	52	14	verified	Yes <sup>[1]</sup>
GWC-2	pH	7.32	6.52	Initial	No
GWC-2	Zinc	0.01	0.005	Initial	No

[1] Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 Second Semi-Annual Monitoring Event, (Golder, 2020).

**4.0 ALTERNATE SOURCE DEMONSTRATION**

As summarized above, SSIs of groundwater quality data were noted for calcium, pH, and zinc at select Cell 1 monitoring wells. No exceedances were noted for PAC Ash Cell wells. A recent ASD that addresses the SSI of calcium includes:

- Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 Second Semi-Annual Monitoring Event, (Golder, 2020)

Review of groundwater quality data from this most recent event indicates that groundwater concentrations for calcium at GWC-8A remain similar; therefore, the previous ASD is still applicable and no further action is necessary. For ease of reference a summary of that ASD is included below.

The following discussion provides a demonstration that the SSIs identified following the March/April 2021 sampling event are not the result of a release from Cell 1 or the PAC Ash Cell and are attributed to natural variation in groundwater chemistry or variability in laboratory or sampling protocol.

**4.1 Calcium (GWC-8A)**

A SSI of calcium was identified at downgradient monitoring well GWC-8A following the March 2021 sampling event. The reported field concentration of calcium [52 milligrams per liter (mg/L)] is above the upper PL (14 mg/L).

Although an overall upward trend of calcium at GWC-8A is observed (Figure 4.1.1), the relative concentrations observed at GWC-8A (52 mg/L) is within the range that is observed naturally within the area (USGS, 2009), and other portions of the site (0.86 mg/L to 68 mg/L). We note that the calcium concentration at GWC-8A during the March/April 2021 event is lower than that detected during the previous sampling event (64 mg/L on September 9, 2020).

The concentrations of boron and chloride, which are primary CCR indicator parameters, both show stabilized groundwater concentrations (i.e., neither an increasing or decreasing trend) for GWC-8A (Figure 4.1.2 and Figure 4.1.3). These data support that a release of CCR materials has not caused the SSI observed at GWC-8A. Also, Cell 1 is a gypsum cell and includes a sulfate source signature; however, sulfate concentrations show an overall decreasing trend (Figure 4.1.4), further demonstrating that the source of the statistical exceedance is natural variability and not a release from Cell 1. The reported SSI is interpreted to be the result of slight increases in concentration rather than significant increases that would be expected if a CCR release were to have occurred.

Relative abundance of major cations, namely - calcium and magnesium, are within narrow range when plotted with alkalinity (buffering capacity) in on a trilinear diagram, as shown on Figure 4.1.5.

Elevated calcium concentrations observed at GWC-8A are likely due to interactions of groundwater with calcium and magnesium bearing secondary carbonate minerals since the saturation index ( $\log Q/K$ )<sup>1</sup> for calcite and dolomite (-0.89 and -1.73, respectively) were close to equilibrium (generally considered to be  $\log Q/K = >-0.5$ ) than any other sample. As calcium in groundwater at GWC-8A has increased, the relative abundance of calcium, magnesium, and alkalinity have remained nearly the same as that to other downgradient samples (Figure 4.1.5). Neither magnesium nor alkalinity in groundwater are related to a CCR release. Additionally, since August 2017, the concentration of boron and sulfate in groundwater have decreased (from 0.27 mg/L to 0.23 mg/L and 42 mg/L to 27 mg/L, respectively) at GWC-8A. Thus, the decreasing trend in boron and sulfate at GWC-8A, and lack of change in relative abundance of calcium to magnesium and alkalinity confirms that CCR materials are not responsible for an increase in calcium at GWC-8A.

Source: Figure 4.1.1.1 for an additional picture of ground water by Golden Associates (2018)

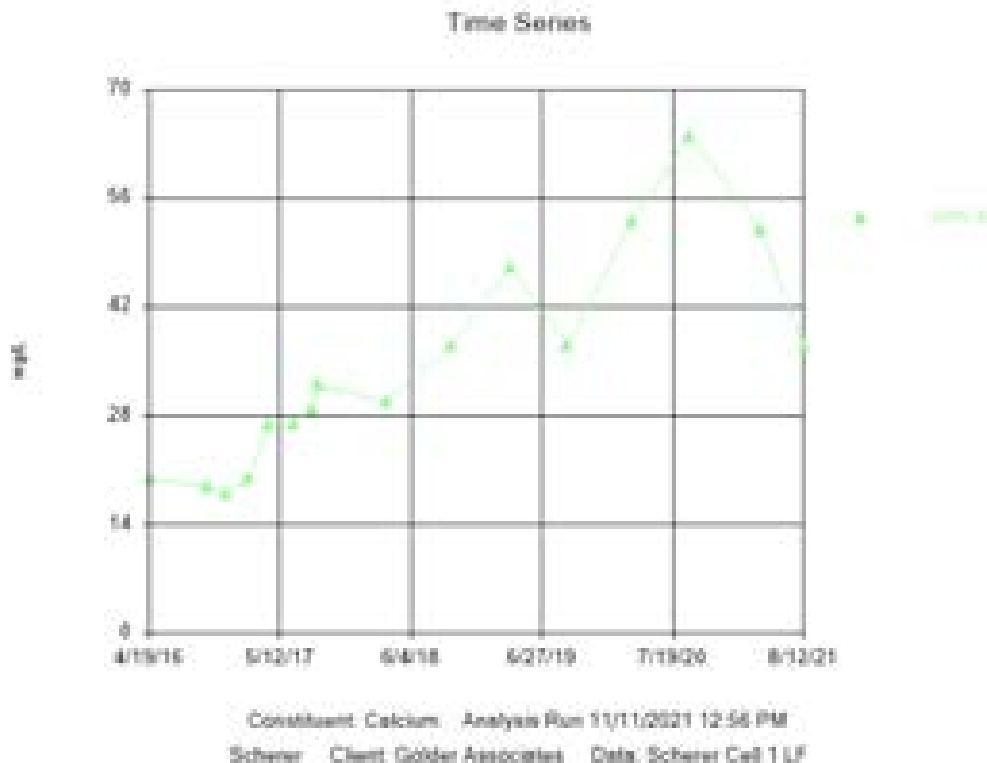


Figure 4.1.1: Calcium in Groundwater at GWC-8A

<sup>1</sup> Q = Reaction Quotient = Activities of calcium plus carbonate divided by activity of calcite; K = Equilibrium constant.

Worksheet: 4.1.1.2 for the alternate sources of groundwater by Golden Associates, Inc. (SI)

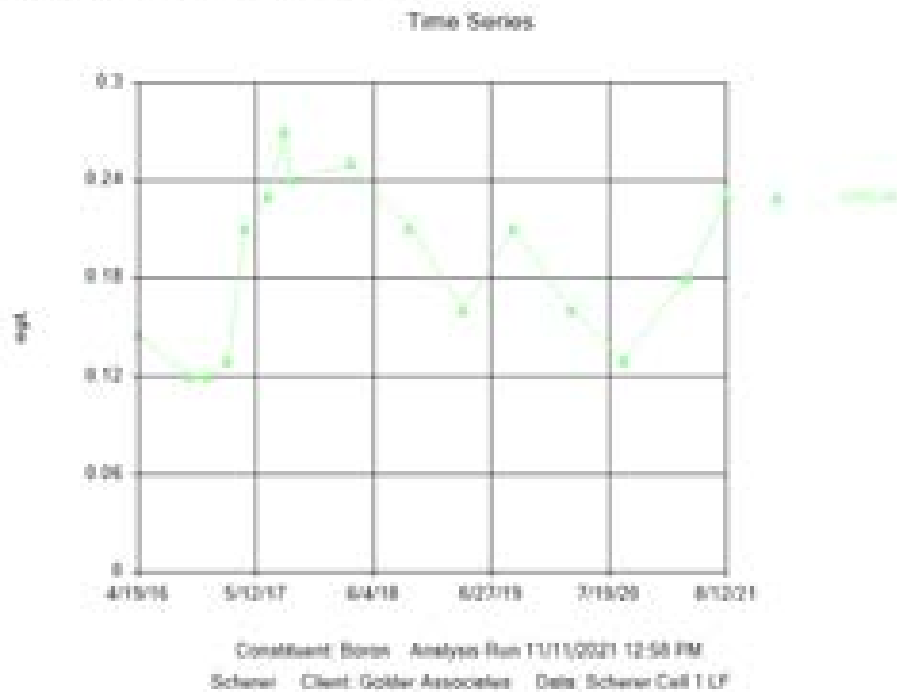


Figure 4.1.2: Boron in Groundwater at GWC-8A

Worksheet: 4.1.1.3 for the alternate sources of groundwater by Golden Associates, Inc. (SI)

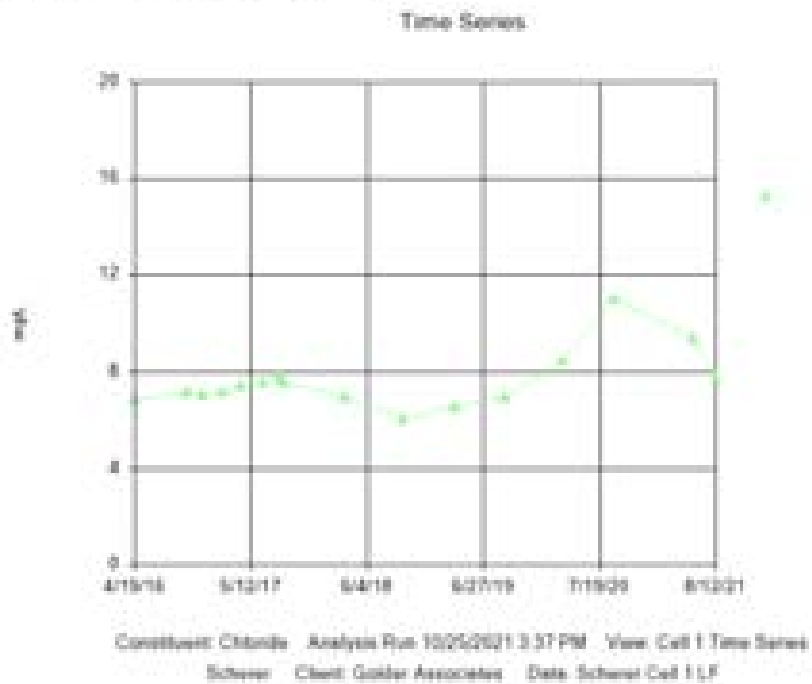


Figure 4.1.3 Chloride in Groundwater at GWC-8A

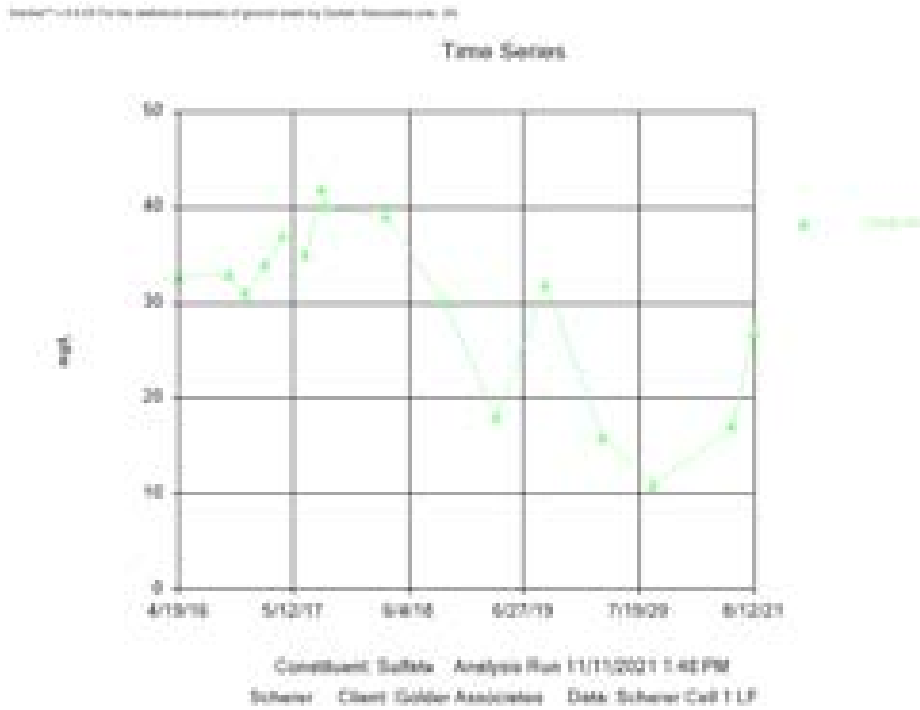


Figure 4.1.4 Sulfate in Groundwater at GWC-8A

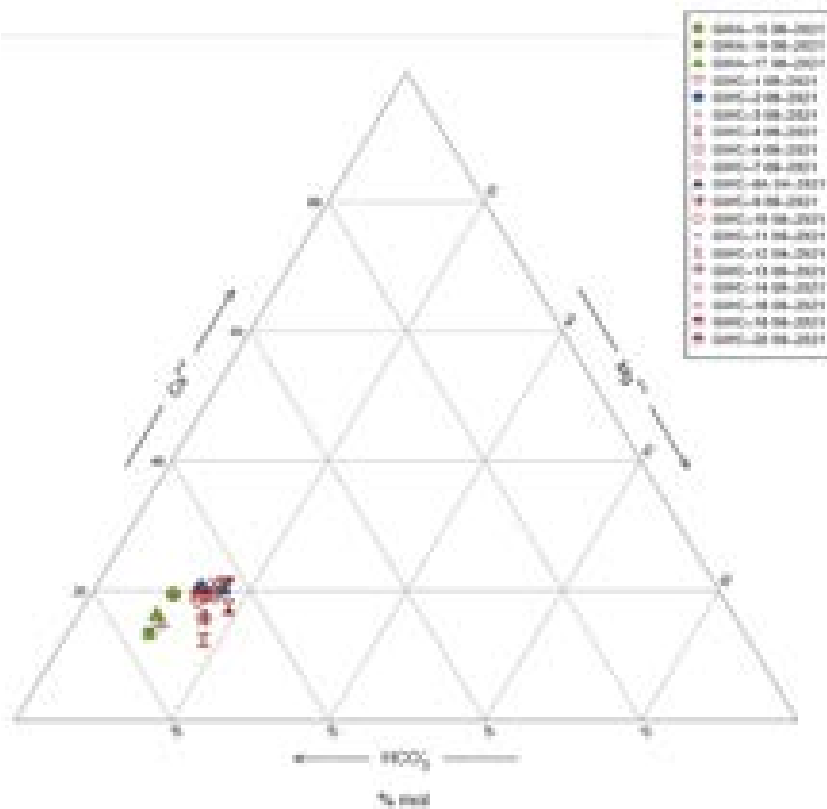


Figure 4.1.5: Relative Abundance of Calcium, Magnesium, and Alkalinity in Groundwater



Therefore, based on analyses of these data, the variations in calcium in groundwater at GWC-8A is due to natural variations in groundwater chemistry related to mineral saturation and solubility. Georgia Power will continue to monitor the concentrations of calcium at GWC-8A during future sampling events.

## 4.2 pH (GWC-2)

A SSI of pH was identified at downgradient Cell 1 monitoring well GWC-2 following the March/April 2021 sampling event. The reported field concentration of pH [7.32 specific units (S.U.)] is above the upper PL (6.52 S.U.). Review of the time series plots (Figures 4.2.1 and 4.2.2) show that the reported concentration at GWC-2 is not part of a significant trend, and instead the pH values in this well exhibits little variability, except for the data from April 2021. This initial exceedance of pH is due to variability in final sampling condition or due to natural variability in groundwater pH at the time of sampling.

The statistical exceedance of pH at GWC-2 is not indicative of a release from the CCR unit and is interpreted to be the result of natural variability in groundwater chemistry, sampling variability, or lab protocol variability. The field parameter, pH is highly dependent on factors such as temperature and time. Similarly, the duration and volume of purging prior to sampling may affect the pH of the sample. Although the field instruments are calibrated daily, and wells were properly evacuated and purged to stabilization, slight variability in the purge duration may contribute to the slight variation in final pH readings (refer to *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report*, dated August 31, 2021, for calibration records). Georgia Power will continue to monitor the occurrence of pH at GWC-2 during future sampling events.

Note that boron, a key indicator parameter, was not detected at GWC-2 throughout its monitoring history. Other Appendix parameters such as calcium, sulfate, and total dissolved solids are present in low concentrations and comparable to upgradient wells as shown on Table 1. Additionally, pH in GWC-2 does not show an increasing or a decreasing trend (Figure 4.2.3). Together, these evidences support this initial SSI of pH is a result of sampling error and not due to a release from the Cell 1 unit.

Version 2.0.0.0 for the technical review of ground water by Golden Associates only. (08)



Figure 4.2.1: pH at GWC-2

Version 2.0.0.0 for the technical review of ground water by Golden Associates only. (08)

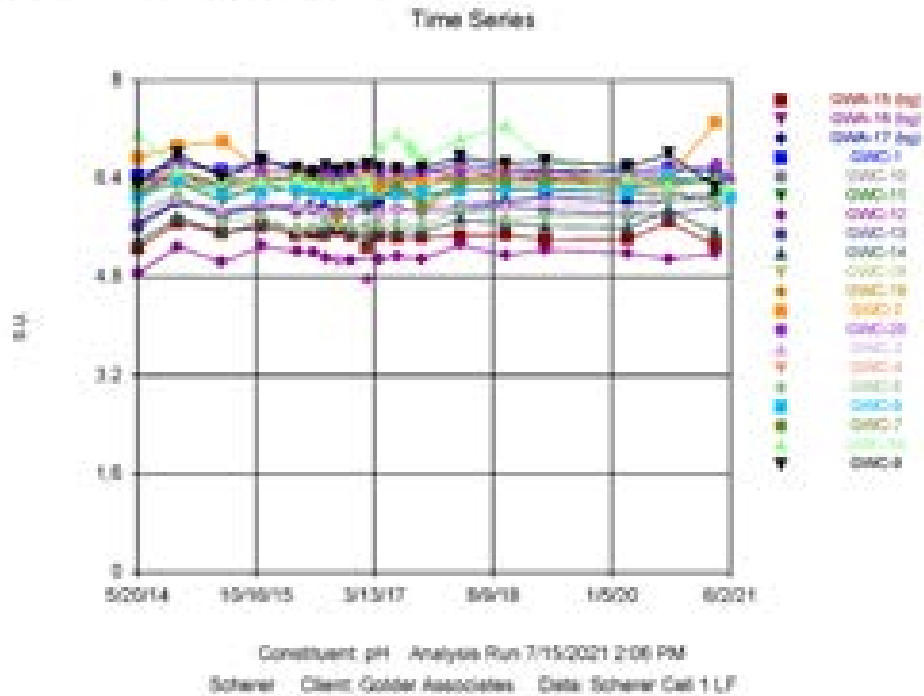


Figure 4.2.2: pH Cell 1 Site-Wide

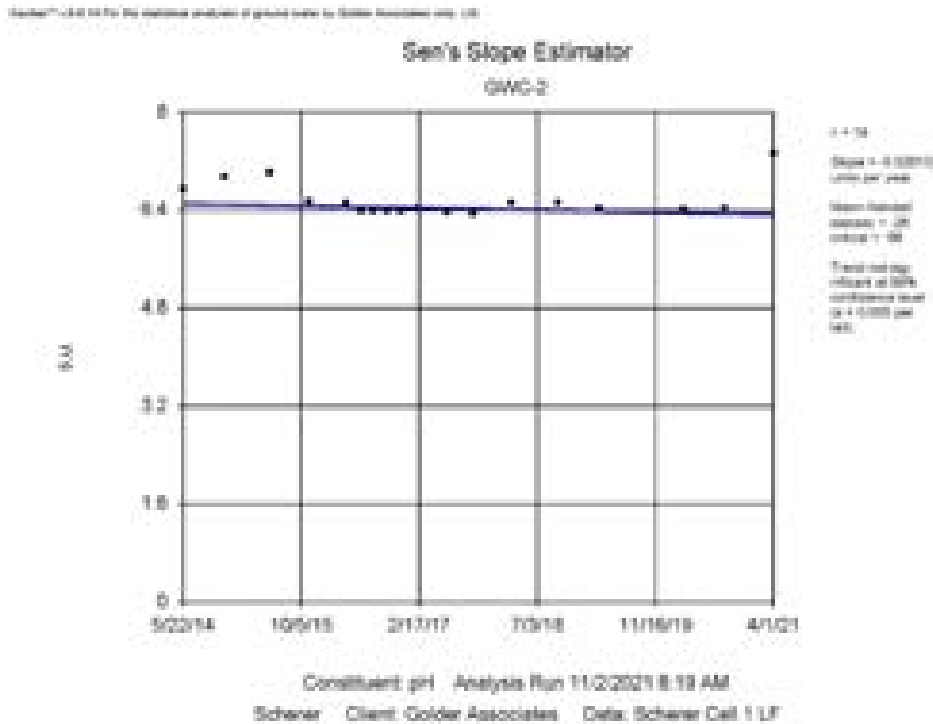


Figure 4.2.3: pH at GW-2

### 4.3 Zinc (GWC-2)

A SSI of zinc was identified at downgradient Cell 1 monitoring well GWC-2 following the March/April 2021 sampling event. The reported concentration of zinc (0.01 mg/L) is above the PL (0.0084 mg/L). Review of the time series plots (Figures 4.3.1 and 4.3.2) shows reported concentrations of zinc at this well are within the range of concentrations observed at other site monitoring wells. These data also show that the reported concentrations at GWC-2 have varied seasonally and are not part of a statistically significant trend. Although a slight increase for zinc is noted for the March 2021 sampling event, this increase is likely due to natural variability in groundwater chemistry, variability in final sampling condition, field conditions, or variability in laboratory procedures.

Further, zinc concentrations at GWC-2 are relatively low (within 1.6 parts per billion of the UPL) and concentrations are as expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US (USGS, 2013). Additionally, the primary CCR indicator boron has not been detected at this well since sampling was initiated in 2016. Based on data presented in the literature and in this ASD, the observed concentration of zinc at GWC-2 is representative of both naturally occurring zinc within the the aquifer as well as variability in sampling or laboratory protocols. The variability of zinc concentrations at this well will be monitored during future sampling events.

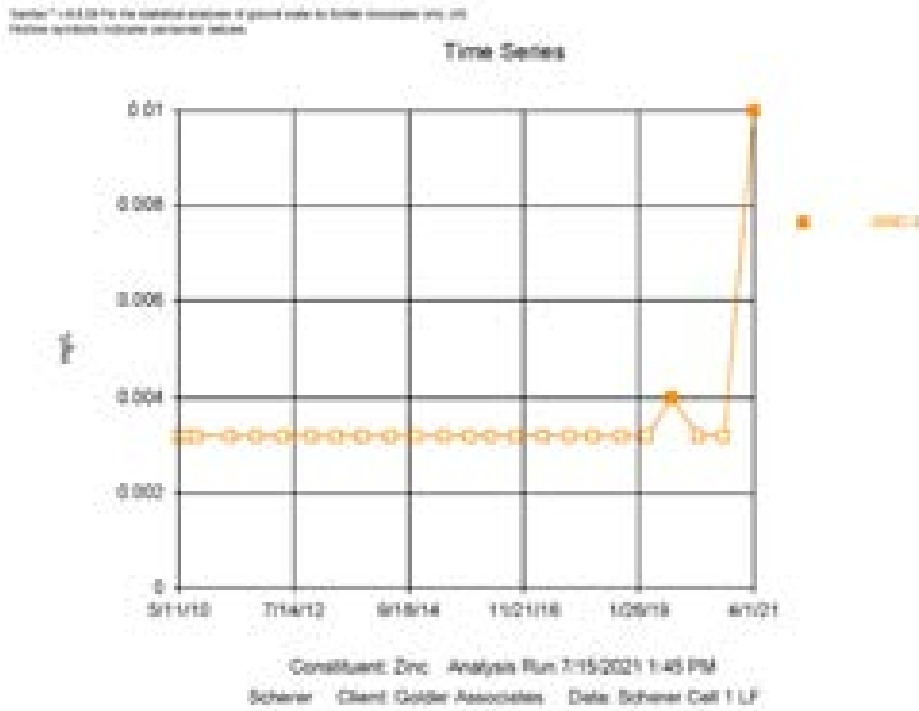


Figure 4.3.1: Zinc GWC-2

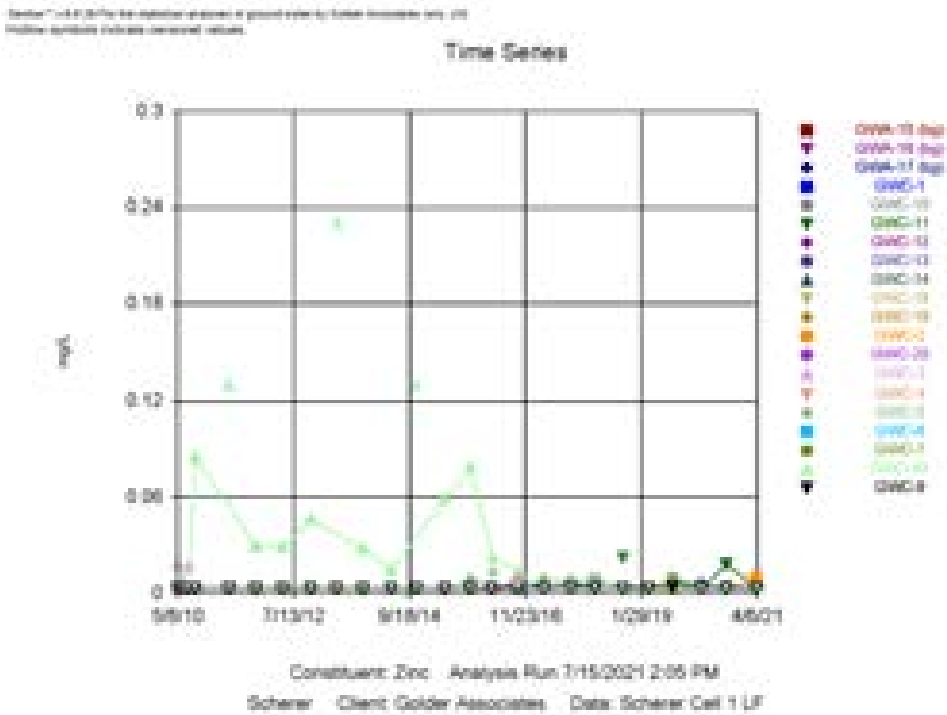


Figure 4.3.2: Zinc Cell 1 Site Wide

## 5.0 CONCLUSIONS

This ASD has been prepared in response to apparent statistical exceedances presented in the *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI)*, dated July 9, 2021. In accordance with 40 CFR § 257.94(e)(2) and §391-3-4-.14.(23)(c) of the GA Solid Waste Management Rules, this ASD along with previously presented ASDs addresses each of the SSIs noted following the March/April 2021 sampling event.

Based on the data presented herein, SSIs from the March/April 2021 monitoring event are not the result of a release from either of the lined landfill units, but rather natural variability in groundwater chemistry, or variability in sampling protocol and laboratory procedures. The reported concentrations of calcium and zinc are within the range of concentrations expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US (USGS, 2009; USGS, 2013). Boron, a primary indicator parameter for CCR, is not present in many of the Cell 1 monitoring wells and displays a decreasing trend overtime for other Cell 1 monitoring wells. Also, Cell 1 is a gypsum cell with a sulfate source signature which also displays a decreasing trend over time, further demonstrating that the source of the statistical exceedances is natural variability and not a release from Cell 1. The saturation indices of the calcium and magnesium bearing secondary carbonate minerals indicate slight under-saturation to near-equilibrium with the mineral phases, suggest calcium concentration variability reflects mineral equilibrium in groundwater. The monitoring well network continues to effectively monitor the water bearing unit beneath the Cell 1 and PAC Ash units. Based on the findings presented herein, Georgia Power will continue with detection groundwater monitoring at Cell 1 and PAC Ash Cell. Verification sampling for the initial exceedances of pH and zinc will occur during the next scheduled sampling event and an update to this ASD will be noted in the forthcoming Annual report.

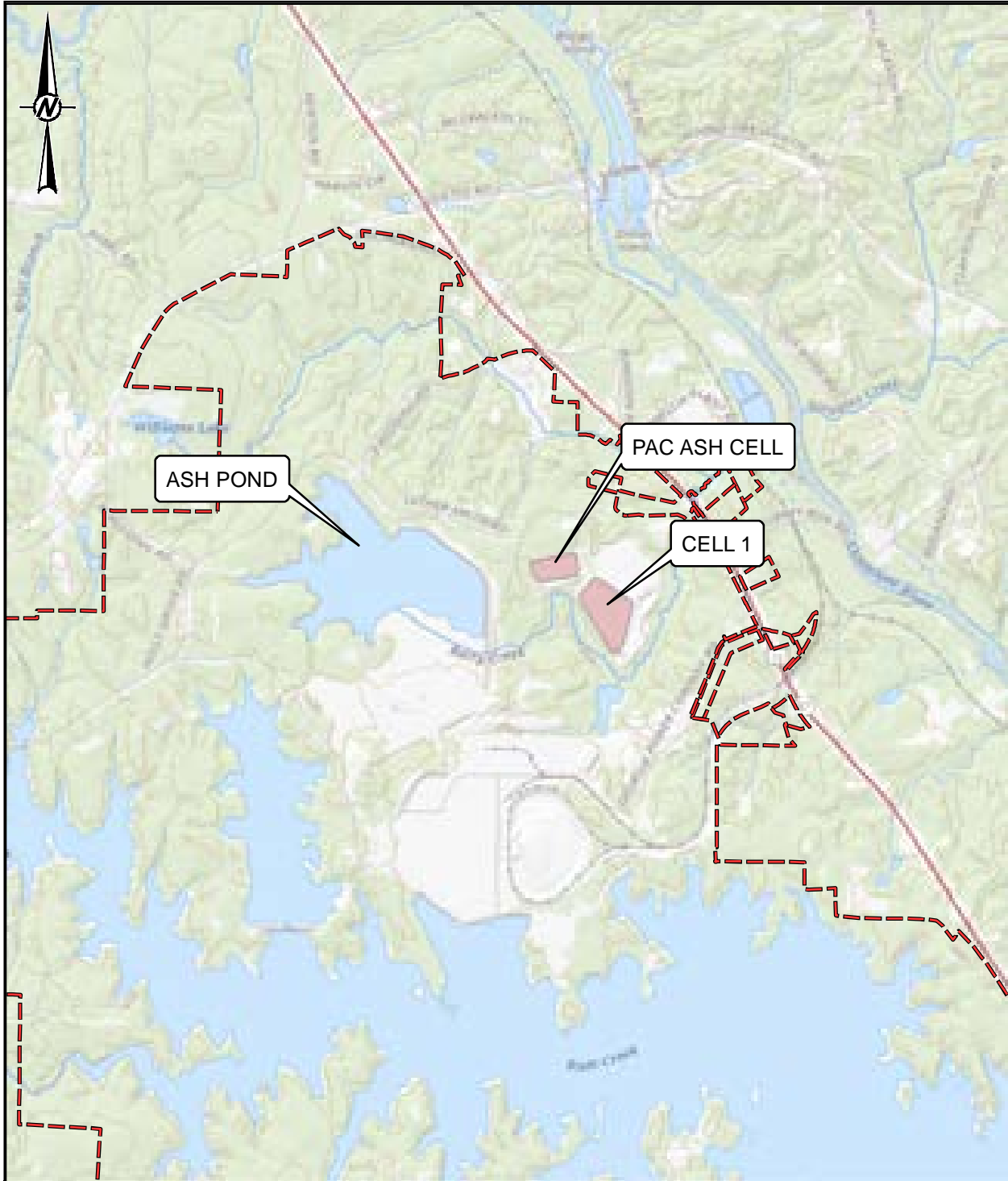
## 6.0 REFERENCES

- Golder, 2020. *Alternate Source Demonstration*, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), Second Semi-Annual 2020 Monitoring Event, Golder Associates Inc., April 2021.
- Golder, 2021a. *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI)*, Golder Associates Inc., August 31, 2021.
- Golder, 2021b. *Hydrogeologic Assessment Report, Plant Scherer Ash Pond 1*, Golder Associates Inc., September, 2021.
- National Weather Service Corporate Image Web Team, 2021. *National Weather Service Climate*, October 24, 2005, [w2.weather.gov/climate/xmacis.php?wfo=ffc](https://w2.weather.gov/climate/xmacis.php?wfo=ffc), accessed August 6, 2021.
- USEPA, 2009, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery – Program Implementation and Information Division, March 2009.
- USGS, 2009. *Characterization of Groundwater Quality Based on Regional Geologic Setting in the Piedmont and Blue Ridge Physiographic Provinces, North Carolina*, Scientific Investigations Report 2009-5149, 2009.
- USGS, 2013. *Natural Occurring Contaminants in the Piedmont and Blue Ridge Crystalline-Rock Aquifers and Piedmont Early Mesozoic Basin Siliciclastic-Rock Aquifers, Eastern United States, 1994-2008*, Scientific Investigations Report 2013-5072, 2013.

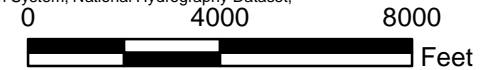
# FIGURES

**Figure 1: Site Location Map**

**Figure 2: Potentiometric Surface Map – Cell 1 and PAC Ash Cell (March 29, 2021)**



Service Layer Credits: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset,



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER



PROJECT  
**ALTERNATE SOURCE DEMONSTRATION PLANT SCHERER CELL 1 AND PAC ASH CELL PERMIT NO. 102.009d(ii) 2021 FIRST SEMI-ANNUAL MONITORING EVENT**

TITLE  
**SITE LOCATION MAP**

CONSULTANT



YYYY-MM-DD 2021-06-29

PREPARED DJC

DESIGN DH

REVIEW DLP

APPROVED RPK

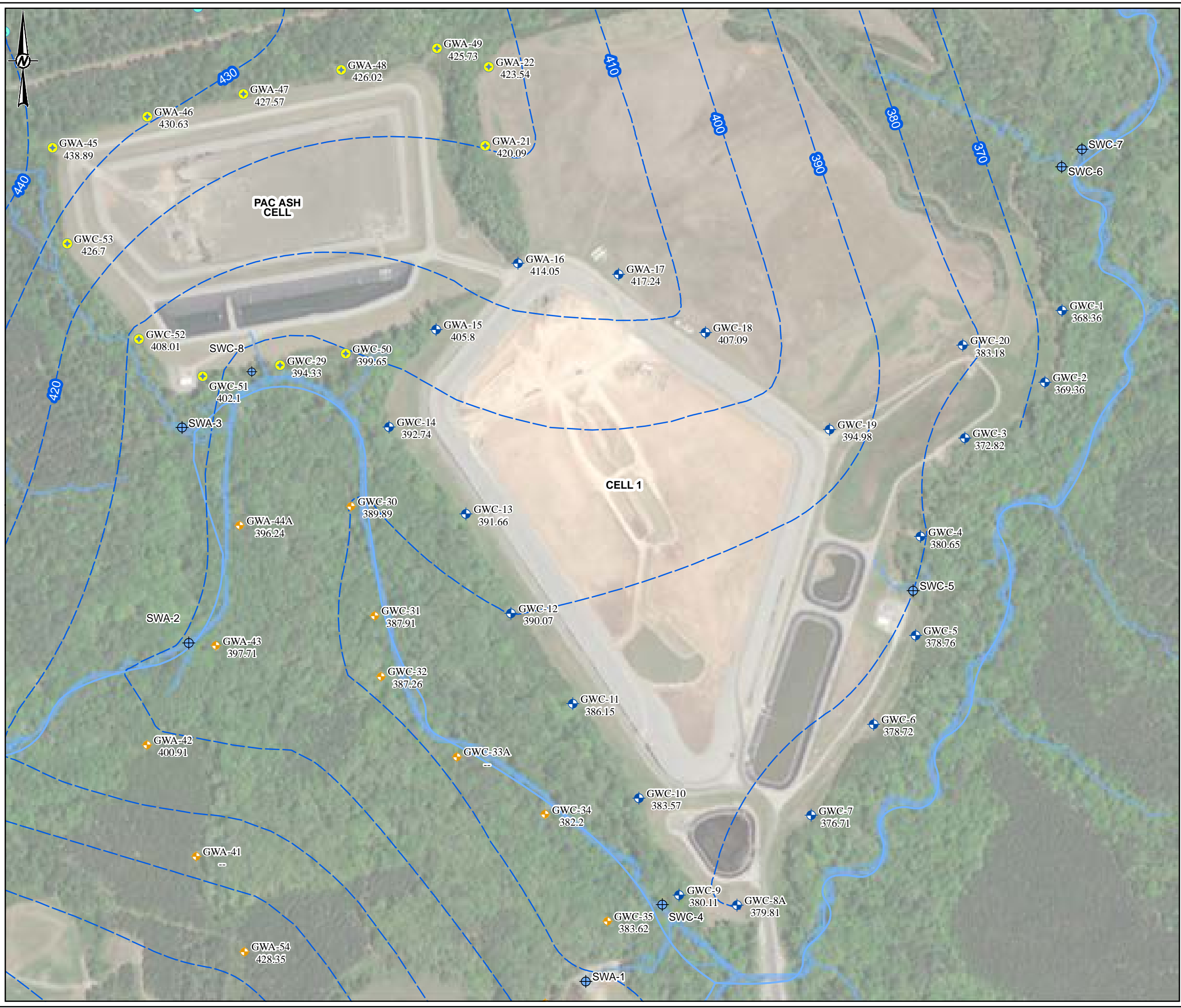
PROJECT No.  
 166235021

CONTROL  
 16623521AD000-GIS.mxd

Rev.  
 0

FIGURE  
 1





- LEGEND**
- SCHERER ASH POND-CCR MONITORING WELL
  - ⊕ CELL 1 LANDFILL MONITORING WELL
  - ⊕ PAC ASH LANDFILL MONITORING WELL
  - ⊕ CELL 3 MONITORING WELL
  - ⊕ PIEZOMETER
  - ⊕ SURFACE WATER SAMPLING LOCATION
  - ⊕ STREAM GAUGE LOCATION
  - INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
  - STREAM
  - PROPERTY BOUNDARY
  - PONDS

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MARCH 29, 2021 BY GOLDER ASSOCIATES.
  2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM (FT-NAVD 88).
  3. DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

- REFERENCE**
1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
  2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY JORDAN ENGINEERING.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER



PROJECT  
 ALTERNATE SOURCE DEMONSTRATION  
 PLANT SCHERER CELL 1 AND PAC ASH CELL PERMIT NO. 102.009D(L)  
 2021 FIRST SEMI-ANNUAL MONITORING EVENT

TITLE  
**POTENTIOMETRIC SURFACE MAP - CELL 1 AND PAC ASH CELL**  
**MARCH 29, 2021**

CONSULTANT	YYYY-MM-DD	2021-08-09
<b>GOLDER</b> MEMBER OF WSP	PREPARED	DJC
	DESIGN	DLP
	CHECKED	DLP
	APPROVED/REVIEWED	RPK

PROJECT No. 166235021 CONTROL 166235021AB006-GIS.mxd Rev. 0 FIGURE 2

Path: H:\166k-Projects\166235021-Southern Company Services\guma\AB-GIS\CONTOUR MAPS\MAR\_2021\166235021AB006-GIS.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSIB

## TABLE

**TABLE 1**  
**ANALYTICAL DATA SUMMARY**  
**Cell 1- April 2021**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Analyte	Units	GROUNDWATER MONITORING WELLS											
		GWA-15	GWA-16	GWA-17	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
		4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/6/2021	4/2/2021	4/1/2021	4/5/2021	4/1/2021	4/5/2021	4/1/2021
<b>APPENDIX III</b>													
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	0.053 J	< 0.039	0.078 J	< 0.039	0.23	0.042 J	< 0.039	0.18	0.059 J
CALCIUM, TOTAL	mg/L	4.0	12	7.8	18	17	7.4	15	40	16	15	52	16
CHLORIDE, TOTAL	mg/L	7.0	1.8	1.5	4.2	2.5	2.9	11	18	6.3*	2.9	9.4*	4.3
FLUORIDE, TOTAL	mg/L	< 0.026	0.035 J	0.042 J	0.081 J	0.043 J	0.045 J	0.097 J	0.029 J	0.038 J*	0.072 J	0.034 J*	0.072 J
pH	S.U.	5.31	6.44	6.14	6.52	7.32	6.01	6.35	6.01	6.36	6.40	6.35	6.28
SULFATE, TOTAL	mg/L	2.7	< 0.76	< 0.76	< 0.76	1.1	< 0.76	4.6	100	13*	< 0.76	17*	9.7
TOTAL DISSOLVED SOLIDS	mg/L	55	100	68	120	120	81	150	260	140*	110	340*	120
<b>STATE PARAMETERS</b>													
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	0.0013 J	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	0.00097 J	< 0.00031
BARIUM, TOTAL	mg/L	0.0092 J	0.024	0.029	0.047	0.044	0.014	0.047	0.040	0.054	0.036	0.045	0.018
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00038 J	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	0.00038 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	0.00030 J	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.0053	0.0082	0.014	0.0057	0.0074	0.0052	0.0058	0.0050	0.0091	< 0.0015	0.0018 J
COBALT, TOTAL	mg/L	0.0024 J	0.00014 J	< 0.00013	< 0.00013	< 0.00013	0.00031 J	0.00026 J	< 0.00013	0.00015 J	0.00015 J	0.0026	0.00015 J
COPPER, TOTAL	mg/L	< 0.00063	0.00074 J	< 0.00063	< 0.00063	0.00069 J	0.00088 J	0.0012 J	< 0.00063	< 0.00063	0.00094 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00034 J	< 0.00013
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
NICKEL, TOTAL	mg/L	0.00049 J	< 0.00034	0.00040 J	0.00073 J	0.0022	0.0018	0.0012	0.00042 J	0.00088 J	0.00036 J	0.0058	0.00058 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0065	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00027 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00030 J	< 0.00015	0.00081 J	< 0.00015
VANADIUM, TOTAL	mg/L	< 0.00099	0.0078	0.0050	0.019	0.014	0.0075	0.0081	0.0027	0.0091	0.014	0.0023	0.0095
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.010	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
- 4 \* indicates the analyte was resampled between June 1st and June 2nd, 2021 due to sample delivery errors.

**TABLE 1**  
**ANALYTICAL DATA SUMMARY**  
**Cell 1- April 2021**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Analyte	Units	GROUNDWATER MONITORING WELLS							
		GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18	GWC-19	GWC-20
		4/1/2021	4/1/2021	4/1/2021	4/6/2021	4/1/2021	4/1/2021	4/5/2021	4/5/2021
<b>APPENDIX III</b>									
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	0.056 J	< 0.039	< 0.039	< 0.039	< 0.039
CALCIUM, TOTAL	mg/L	19	13	1.2	7.4	6.2	11	15	14
CHLORIDE, TOTAL	mg/L	4.4	1.9	2.0	1.8	3.8	2.8	2.6*	2.1*
FLUORIDE, TOTAL	mg/L	0.086 J	0.042 J	< 0.026	0.026 J	< 0.026	0.041 J	0.026 J*	0.033 J*
pH	S.U.	6.35	6.11	5.18	5.95	5.53	6.37	6.37	6.64
SULFATE, TOTAL	mg/L	2.7	< 0.76	< 0.76	0.90 J	< 0.76	< 0.76	1.9*	1.4*
TOTAL DISSOLVED SOLIDS	mg/L	140	90	17	55	43	62	130*	120*
<b>STATE PARAMETERS</b>									
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.034	0.018	0.018	0.038	0.0095 J	0.035	0.028	0.029
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.020	0.0078	0.0015 J	0.0061	< 0.0015	0.014	0.012	0.0080
COBALT, TOTAL	mg/L	< 0.00013	< 0.00013	0.00028 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00014 J	< 0.00013
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013*	< 0.00013*
NICKEL, TOTAL	mg/L	0.0012	0.00065 J	0.00065 J	0.00053 J	< 0.00034	< 0.00034	0.00047 J	0.00048 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00032 J	< 0.00015
VANADIUM, TOTAL	mg/L	0.013	0.011	< 0.00099	0.0028	0.0013	0.0081	0.0068	0.017
ZINC, TOTAL	mg/L	< 0.0032	0.0034 J	< 0.0032	0.0040 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
- 4 \* indicates the analyte was resampled between June 1st and June 2nd, 2021 due to sample delivery errors.



[golder.com](http://golder.com)